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SITE ASSESSMENT REPORT
FOR
OLD LASALLE DUMP SITE
LASALLE COUNTY, ILLINOIS

TDD: S05-9604-002

PAN: 6A0201RA

LD 984 774950

April 2, 1997

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Emergency Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604

Prepared by: Todd Murphy Date: 4/3/97

Todd Murphy, START Project Manager

Reviewed by: M.J. Ripp Date: 4/2/97

M.J. Ripp, START Assistant Program Manager

Approved by: Thomas Kouris Date: 4/2/97

for Thomas Kouris, START Program Manager



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1. Introduction

The United States Environmental Protection Agency (U.S. EPA) tasked the Ecology and Environment, Inc. (E & E), Superfund Technical Assessment and Response Team (START) to assist U.S. EPA Remedial Project Manager (RPM) Darryl Owens, in conducting a site assessment at the Old LaSalle Dump (OLD) Site in LaSalle County, Illinois. START was requested under Technical Direction Document (TDD) S05-9604-002 to prepare and implement a health and safety plan for field activities, subcontract analytical services, document conditions at the site, conduct sampling, evaluate threats to human health and the environment, and provide administrative and technical support to U.S. EPA in the preparation of site reports and other technical site-related documents. The site assessment was conducted on November 21, 1996.

2. Background

2.1 Site Description

The OLD Site (latitude 41°19'22" N, longitude 89°05'47" W) is an approximately 6-acre undeveloped, inactive dump site located within the annual floodplain of the Illinois River in LaSalle County, Illinois (Figure 2-1). The site is bordered on the north, south, and west by Huse Lake, a backwater lake of the Illinois River (Figure 2-2). To the east of the site is U.S. Highway 351. The City of LaSalle is located about 1,000 feet to the north of the site. When the site was closed, clean fill, including bricks, concrete slabs, scrap metal, wood, and other construction refuse was dumped over most of the site. Since that time, the site has become fairly well vegetated with grasses and trees.

2.2 Site History

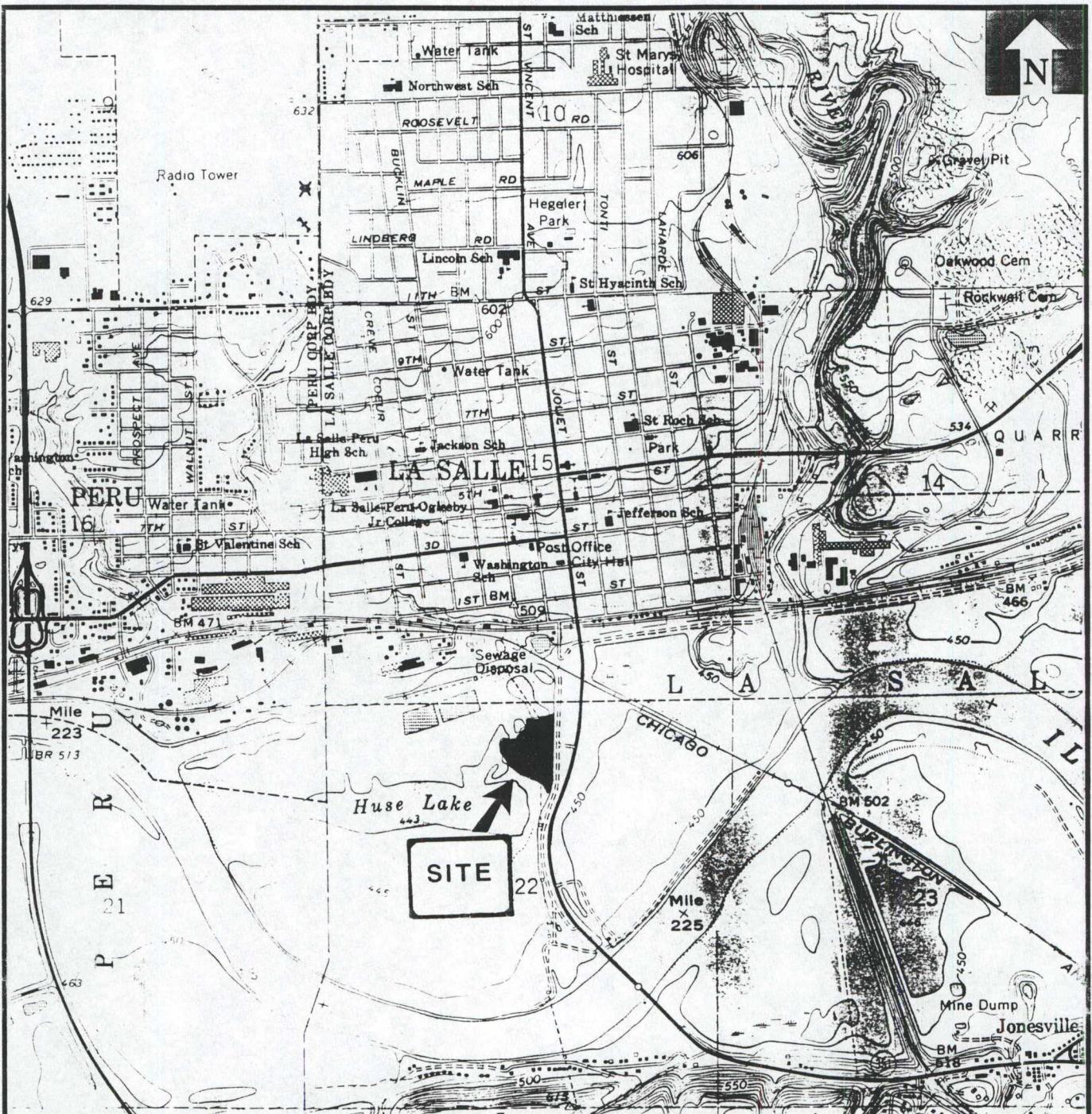
According to the Illinois Environmental Protection Agency (IEPA) Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) preliminary assessment report (ILD 984774950, prepared by Karen Petefish, Springfield, Illinois, March 1989), the OLD Site was used as a general refuse dump for the City of LaSalle from the early 1930s until approximately 1966. The city operated the dump, but did not own the land. The land has been owned by members of the Duncan family for about the past 100 years. It is believed that during its years of operation a wide variety of residential and industrial wastes were dumped at the site. According to former employees of LaSalle's Electric Utility Company (EUC) and a former city official, EUC dumped rejected capacitors containing polychlorinated biphenyl (PCB) oil, cleaning solvents, and contaminated barrels at the north end of the site. According to a resident who previously trucked waste to the landfill, EUC would ship one to two truck tandem loads (10 cubic yards per tandem) of waste to the site at least once, and sometimes twice per week, in the early to mid-1960s. The City of LaSalle closed the dump in approximately 1966, and then allowed people to dump clean fill at the site, which created a highly permeable site cap. Prior to its use as a dump, the site was a wetland.

The OLD Site was placed on the CERCLA Information System in June of 1989 as a result of a request for discovery action initiated by IEPA. This action was taken because of complaints from LaSalle County residents concerning past waste disposal practices at the site. The site received its initial CERCLA evaluation in the form of the previously mentioned IEPA preliminary assessment report. On September 24, 1991, the IEPA Site Assessment Program was tasked by U.S. EPA to conduct a CERCLA screening site inspection of the site.

On April 8, 1992, IEPA conducted the initial CERCLA screening site inspection reconnaissance inspection of the site. During the reconnaissance inspection, several corroded and broken capacitors were observed at the northern end of the site, either at the surface, or protruding from the soil. The sampling portion of the site inspection was conducted on May 6, 1992. A total of five sediment and 10 soil samples were collected to determine if areas of the site and surrounding area were contaminated. The analytical results were compared to that of a background soil sample collected in Hegeler Park, approximately 1.3 miles north of the site. Analysis of the soil samples revealed that significant concentrations of semivolatile organic compounds (SVOCs), pesticides (including PCBs), and inorganic compounds (including metals) are found throughout the site. Elevated concentrations of volatile organic compounds (VOCs) were also present in some of the site soil samples. Analysis of the sediment samples collected along the western shore of Huse Lake, across the lake from the site, revealed the presence of SVOCs, pesticides (including PCBs), and inorganic compounds (including metals). These results suggest a surface water migration of contaminants found at the site.

On November 9, 1995, under the Superfund Accelerated Cleanup Model (SACM) program, members of the E & E Technical Assistance Team (TAT), under the direction of U.S. EPA RPM Darryl Owens, collected two surface water samples, four sediment samples, nine surface soil samples, and two surface soil/sediment samples. TAT also attempted to collect groundwater samples using a GeoProbe hydraulic punch and peristaltic pumps. The peristaltic pumps did not function properly; therefore, not enough water could be extracted for a sample.

On July 19, 1996, START and U.S. EPA RPM Darryl Owens met at the OLD Site to conduct additional site sampling. Sampling activities were postponed when it was discovered that the site was flooded.

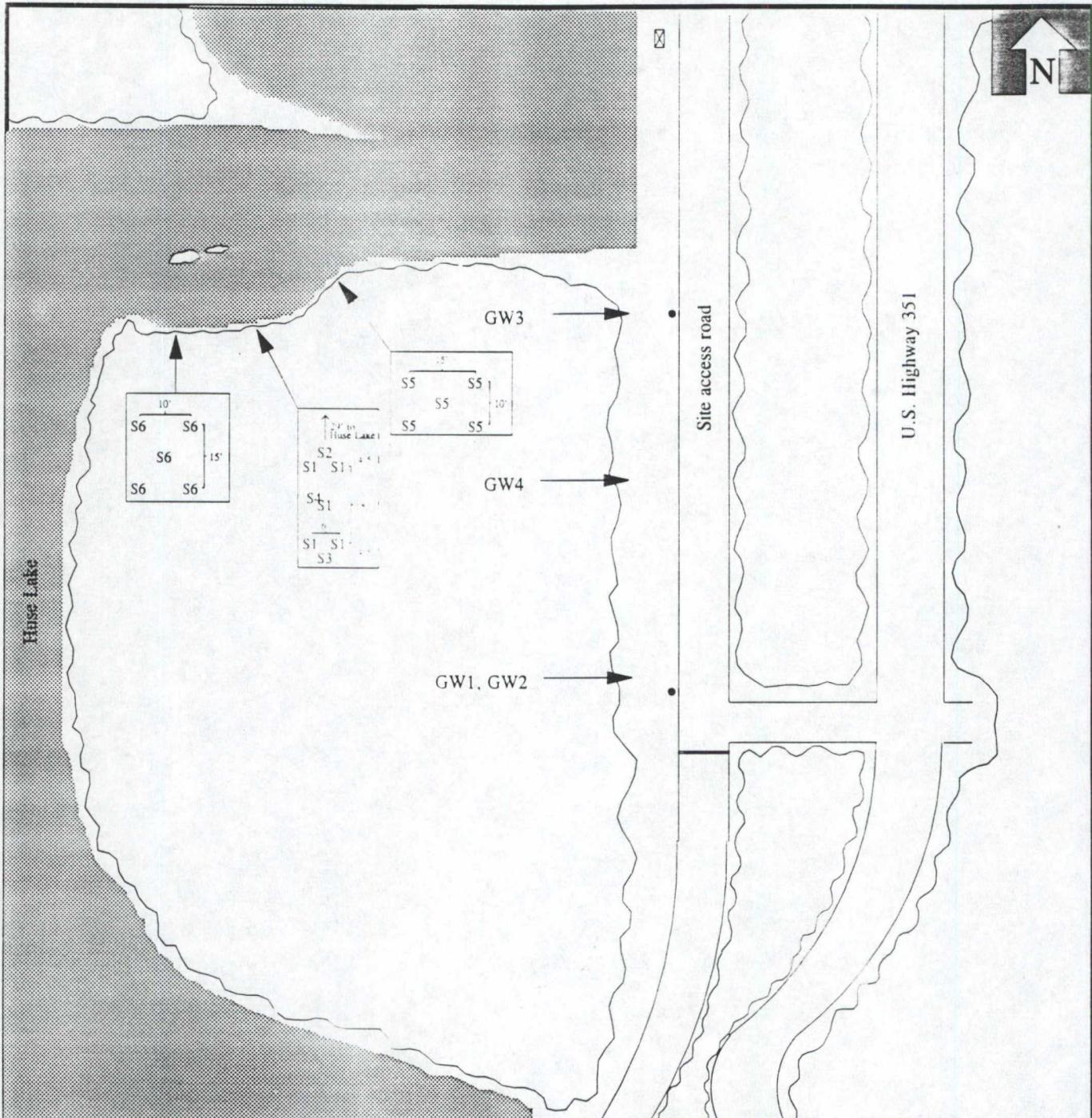


Site Location



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Superfund Technical Assessment and Response Team
Region V
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TITLE	FIGURE #	
Site Location Map	2-1	
SITE	SCALE	
LaSalle	1:24,000	
COUNTY	STATE	TDD#
LaSalle	Illinois	S05-9604-002
SOURCE	USGS Topographic Map, 7.5 Minute Series - LaSalle, IL Quadrangle	DATE
		1966
		REVISED
		1979



Legend

- | | |
|-----|-------------------------------------|
| GWx | Groundwater sample locations |
| ☒ | Large power or telephone line tower |
| — | Locked gate |
| Sx | Soil sample locations |
| • | Telephone pole |
| ■ | Water |
| ○ | Woods |



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Superfund Technical Assessment and Response Team
Region V
33 North Dearborn Street, Suite 900, Chicago, Illinois 60602

TITLE	FIGURE #	
Site Features/Sample Location Map	2-2	
Old LaSalle Dump Site	none	
LaSalle	Illinois	S05-9604-002
SOURCE	DATE	2/24/97
Ecology and Environment, Inc.		

3. Site Assessment

On November 21, 1996, at 1000 hours, U.S. EPA RPM Darryl Owens, START member Todd Murphy, and GeoProbe operators Steve Peterson and Thomas Sedlacek, arrived at the OLD Site to conduct site assessment activities. Steve Peterson is in the U.S. EPA Superfund Technical Support Section. Thomas Sedlacek is a member of the U.S. EPA - Region V Environmental Services Assistant Team from Lockheed Environmental Systems and Technologies Company. All activities were coordinated under the authority of U.S. EPA RPM Darryl Owens. Refer to Appendix A for photodocumentation of the site assessment.

A total of four groundwater samples (GW1-GW4), and six soil samples (S1-S6), were collected. The soil samples were collected to determine if elevated concentrations of PCBs were present in the general area surrounding U.S. EPA/TAT soil sample 6, collected November 9, 1995. An elevated concentration of PCBs (30.000 milligrams per kilogram) was detected in U.S. EPA/TAT soil sample 6.

Figure 2-2 presents the approximate sample locations. Table 3-1 provides the collection time, depth, location, and method of collection of each sample. The sample material was transferred directly into the sample jars from the sampling device. Groundwater samples GW1 and GW2 were collected from the same GeoProbe borehole location. Upon completion of the sampling at 1445 hours, U.S. EPA and Lockheed departed the site. After conducting additional site mapping and photodocumentation, START departed the site at 1600 hours.

On November 22, 1996, the samples were picked up by a courier at the E & E warehouse in Chicago, and delivered to V.O.C. Analytical Laboratories in Naperville, Illinois. A U.S. EPA Office of Solid Waste and Emergency Response (OSWER) Quality Assurance Level II data package was requested. The groundwater samples were analyzed for organochlorine pesticides and PCBs, Resource Conservation and Recovery Act (RCRA) metals, and SVOCs. The soil samples were analyzed for PCBs. All samples were analyzed under START Analytical TDD S05-9604-812.

Table 3-1

**SAMPLE DESCRIPTIONS
OLD LASALLE DUMP SITE
LASALLE COUNTY, ILLINOIS
NOVEMBER 21, 1996**

Sample	Time (Hours)	Depth (BGS)	Collection Method	Location (See Figure 2-2)
GW1 (groundwater)	1050	16'	GeoProbe, peristaltic pump	27' north and 50' west of south telephone pole
GW2 (groundwater)	1140	16'	GeoProbe, peristaltic pump	Same as GW1
GW3 (groundwater)	1230	11'	GeoProbe, peristaltic pump	257' north and 57' west of south telephone pole
GW4 (groundwater)	1325	12'	GeoProbe, peristaltic pump	157' north and 57' west of south telephone pole
S1 (soil-composite)	1055	2"-4"	Stainless steel spoon, trowel, mixing bowl	4 corners and center of 18' (north-south) by 6' (east- west) area, centered 29' south of Huse Lake
S2 (soil-grab)	1210	2"-4"	Stainless steel spoon, trowel	4.5' north of S1 center
S3 (soil-grab)	1220	2"-4"	Stainless steel spoon, trowel	4.5' south of S1 center
S4 (soil-composite)	1305	5"-12"	Stainless steel hand auger, spoon, mixing bowl	Immediately next to S1 center
S5 (soil-composite)	1340	2"-4"	Stainless steel spoon, trowel, mixing bowl	4 corners and center of 10' (north-south) by 15' (east- west) area near Huse Lake
S6 (soil-composite)	1445	2"-4"	Stainless steel spoon, trowel, mixing bowl	4 corners and center of 15' (north-south) by 10' (east- west) area near Huse Lake

Key:

BGS = below ground surface.

' = foot.

" = inch.

Source:

E & E, Inc., START, Field Logbook (July 18, 1996 - November 21, 1996)
 Old LaSalle Dump Site.

4. Analytical Results

Analytical results for detected parameters are summarized in Table 4-1 for the groundwater samples, and Table 4-2 for the soil samples. The Superfund removal action level (RAL) for contaminated drinking water sites is provided for each parameter detected in the groundwater samples. The Toxic Substances Control Act (TSCA) RAL for PCBs in soil (50.000 micrograms per kilogram of dry soil) is also provided.

Four RCRA metals (barium, cadmium, chromium, lead), and two PCB aroclors (1016, 1248), were detected in the groundwater samples. Cadmium was detected in sample GW3 at a concentration of 0.0075 milligrams per liter (mg/L), exceeding the Superfund RAL (0.005 mg/L). Lead was detected in all of the groundwater samples at concentrations (0.38 to 1.5 mg/L) exceeding the Superfund RAL (0.03 mg/L). The Superfund RAL for total PCBs is 0.5 micrograms per liter ($\mu\text{g}/\text{L}$). PCB Aroclor 1016 was detected in sample GW4 at a concentration of 7.4 $\mu\text{g}/\text{L}$. PCB Aroclor 1248 was detected in sample GW3 at a concentration of 1.7 $\mu\text{g}/\text{L}$. No organochlorine pesticides or SVOCs were detected in the groundwater samples.

PCB Aroclor 1248 was detected in the soil samples at concentrations less than the TSCA RAL.

Refer to Appendix B for the analytical data package and quality assurance/quality control review.

Table 4-1

**ANALYTICAL RESULTS - GROUNDWATER SAMPLES
OLD LASALLE DUMP SITE
LASALLE COUNTY, ILLINOIS
NOVEMBER 21, 1996**

Parameter	GW1	GW2	GW3	GW4	Superfund RAL ^a
Metals (mg/L):					
Barium	0.24	0.20	0.27	0.43	2
Cadmium	ND	ND	0.0075	ND	0.005
Chromium	0.021	0.0065	0.011	0.011	0.2
Lead	1.1	0.38	1.2	1.5	0.03
PCB Aroclors ($\mu\text{g/L}$):					
1016	ND	ND	ND	7.4	0.5 (total PCBs)
1248	ND	ND	1.7	ND	0.5 (total PCBs)

Key:

mg/L = milligrams per liter.

$\mu\text{g/L}$ = micrograms per liter.

ND = not detected.

^a = Superfund RAL for contaminated drinking water sites.

Source: V.O.C Analytical Laboratories, Naperville, Illinois.
(START Analytical TDD S05-9604-812).

Table 4-2

**ANALYTICAL RESULTS - SOIL SAMPLES
OLD LASALLE DUMP SITE
LASALLE COUNTY, ILLINOIS
NOVEMBER 21, 1996**

Parameter	S1	S2	S3	S4	S5	S6	TSCA RAL ^a
PCB Aroclor 1248 ($\mu\text{g}/\text{kg}$ dry soil)	173	61	389	ND	3,472	1,667	50,000

Key:

$\mu\text{g}/\text{kg}$ dry soil = micrograms per liter of dry soil.

ND = not detected.

^a = TSCA RAL for PCBs in soil.

Source: V.O.C Analytical Laboratories, Naperville, Illinois.
(START Analytical TDD S05-9604-812).

5. Discussion of Potential Threats

Conditions present at the OLD Site that may warrant an appropriate removal action, as determined by the sampling conducted on November 21, 1996, and as set forth in paragraph (b) (2) of Section 300.415 of the National Oil and Hazardous Substances Contingency Plan (NCP) include:

- **Actual or potential contamination of drinking water supplies or sensitive ecosystems.** Concentrations of cadmium, lead, and PCBs were detected in excess of the RAL in groundwater samples collected on the site. Site-contaminated groundwater most likely flows into Huse Lake, which surrounds the site on three sides, and continues to flow west for 0.5 mile into the Illinois River, which flows west. Because the nearest groundwater well is located 0.5 mile to the north of the site, and IEPA records do not document the existence of any surface water drinking intakes along the 15-mile surface water route downstream of the site, drinking water is probably not in danger of contamination from the site.

Several sensitive environments exist along the 15-mile surface water pathway route downstream of the site. Approximately 27 miles of total wetland frontage exists along the route, with the nearest being Huse Lake. Both Huse Lake and the Illinois River are used for fishing and other recreational purposes. Two state wildlife refuges, the 1700-acre Lake DePue Fish and Wildlife Area, and the 664-acre Donnelly Wildlife Management Area, exist along the route. Located approximately 13 miles from the site is the Spring Lake Heron Colony, a nesting site for the state endangered Great Egret. Cadmium was detected in one groundwater sample, at a concentration slightly greater than the RAL. Therefore, the release of cadmium in site groundwater to surface water is probably not a pathway which poses a danger to ecosystems downstream of the site. Lead and PCBs were detected in more than one groundwater sample, and both at concentrations significantly greater than the RAL. Exposure to lead and PCBs can produce a number of harmful health effects in both animals and humans. PCBs are probable carcinogens, and lead may be a carcinogen. Therefore, the impact of the release of lead- and PCB-contaminated site groundwater to surface water on nearby ecosystems may be of concern.

IEPA and U.S. EPA/TAT sediment sample and soil sample results have indicated areas of surface contamination at the site. Based on these sample results, additional factors

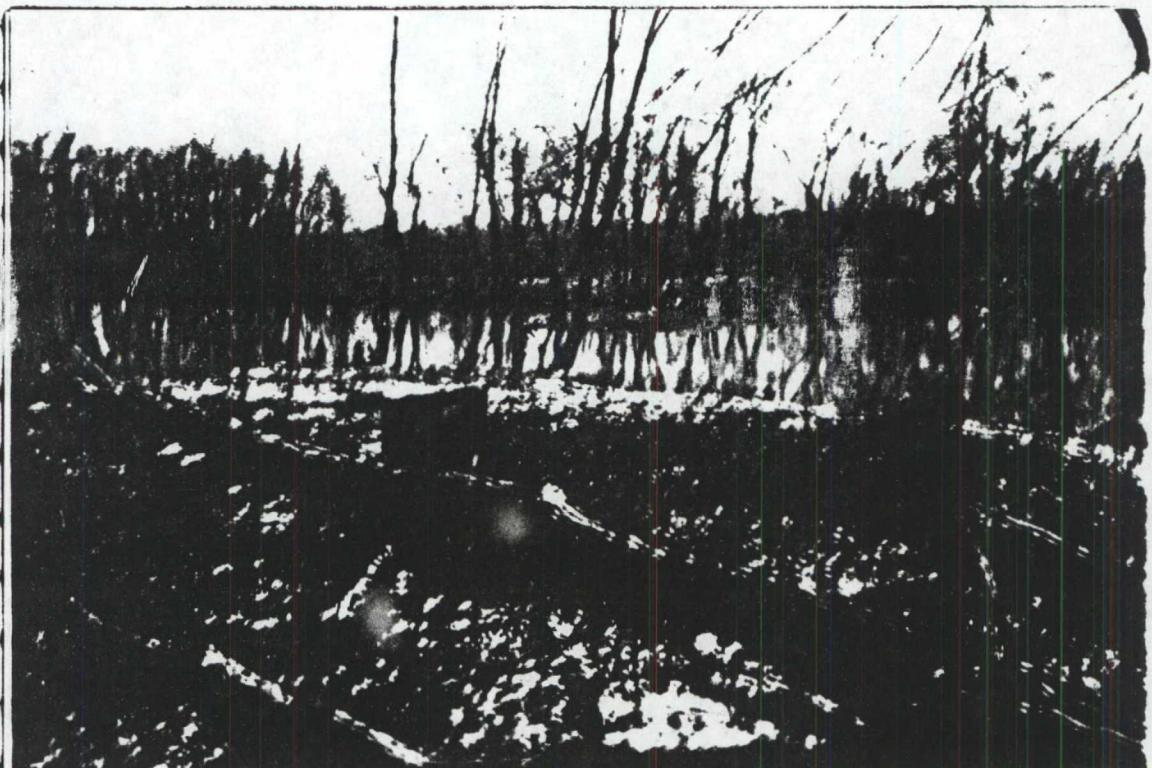
may warrant an appropriate removal action as set forth in paragraph (b) (2) of Section 300.415 of NCP. The START soil sample results indicate that the level of PCB contamination previously detected in U.S. EPA/TAT soil sample 6 is not of a widespread nature.

Appendix A

Photodocumentation



SITE NAME: Old LaSalle Dump
LOCATION: City of LaSalle
LaSalle Co., IL
PHOTOGRAPHER: Todd Murphy
SUBJECT: Geoprobe vehicle indicates the location of groundwater samples GW1 and GW2 (a duplicate of GW1).
TDD#: S05-9604-002
DATE: November 21, 1996
TIME: 1015 Hours
DIRECTION: South



SITE NAME: Old LaSalle Dump
LOCATION: City of LaSalle
LaSalle Co., IL
PHOTOGRAPHER: Todd Murphy
SUBJECT: Five blue flags indicate the sample locations of composite soil sample S1. Also the location of U.S. EPA/TAT soil sample 6 collected 11/8/95.
TDD#: S05-9604-002
DATE: November 21, 1996
TIME: 1110 Hours
DIRECTION: Northwest



SITE NAME: Old LaSalle Dump
LOCATION: City of LaSalle
LaSalle Co., IL
PHOTOGRAPHER: Todd Murphy
SUBJECT: Geoprobe vehicle indicates the location of groundwater sample GW3.
Geoprobe operator Thomas Sedlacek is at the back of the vehicle.

TDD#: S05-9604-002
DATE: November 21, 1996
TIME: 1205 Hours

DIRECTION: Southeast



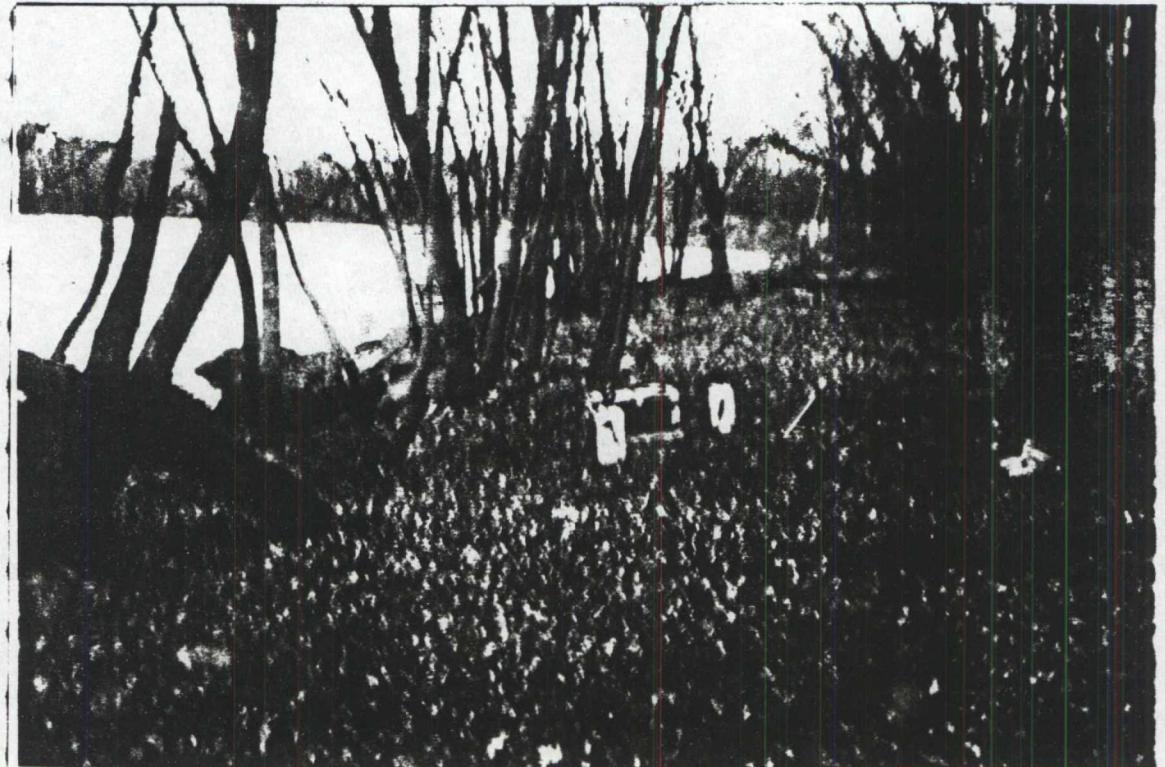
SITE NAME: Old LaSalle Dump
LOCATION: City of LaSalle
LaSalle Co., IL
PHOTOGRAPHER: Todd Murphy
SUBJECT: Grab soil sample S2 (foreground) and S3 (background).

TDD#: S05-9604-002
DATE: November 21, 1996
TIME: 1222 Hours

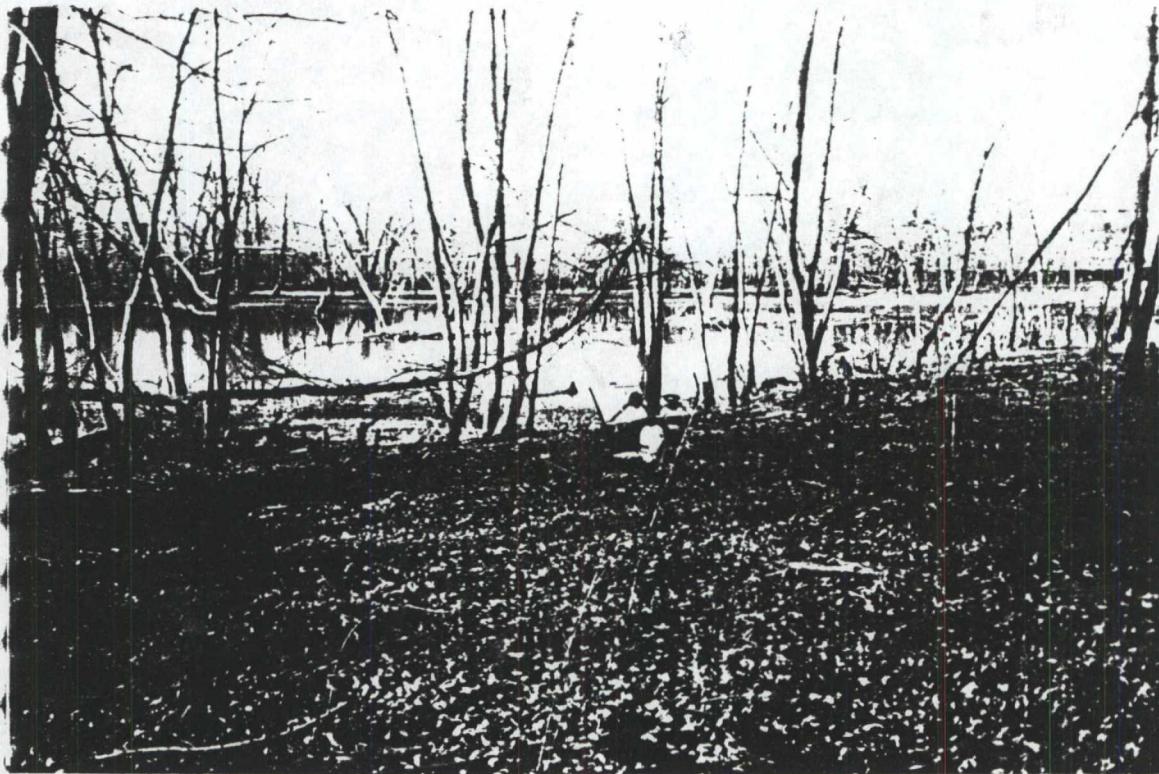
DIRECTION: North



SITE NAME: Old LaSalle Dump TDD#: S05-9604-002
LOCATION: City of LaSalle DATE: November 21, 1996
LaSalle Co., IL TIME: 1305 Hours
PHOTOGRAPHER: Todd Murphy DIRECTION: North
SUBJECT: Hand auger indicates the location of 5"-12" depth composite soil sample S4.



SITE NAME: Old LaSalle Dump TDD#: S05-9604-002
LOCATION: City of LaSalle DATE: November 21, 1996
LaSalle Co., IL TIME: 1330 Hours
PHOTOGRAPHER: Todd Murphy DIRECTION: Northeast
SUBJECT: Five blue flags indicate the locations of composite soil sample S5. The center flag is the location of grab soil sample S3.



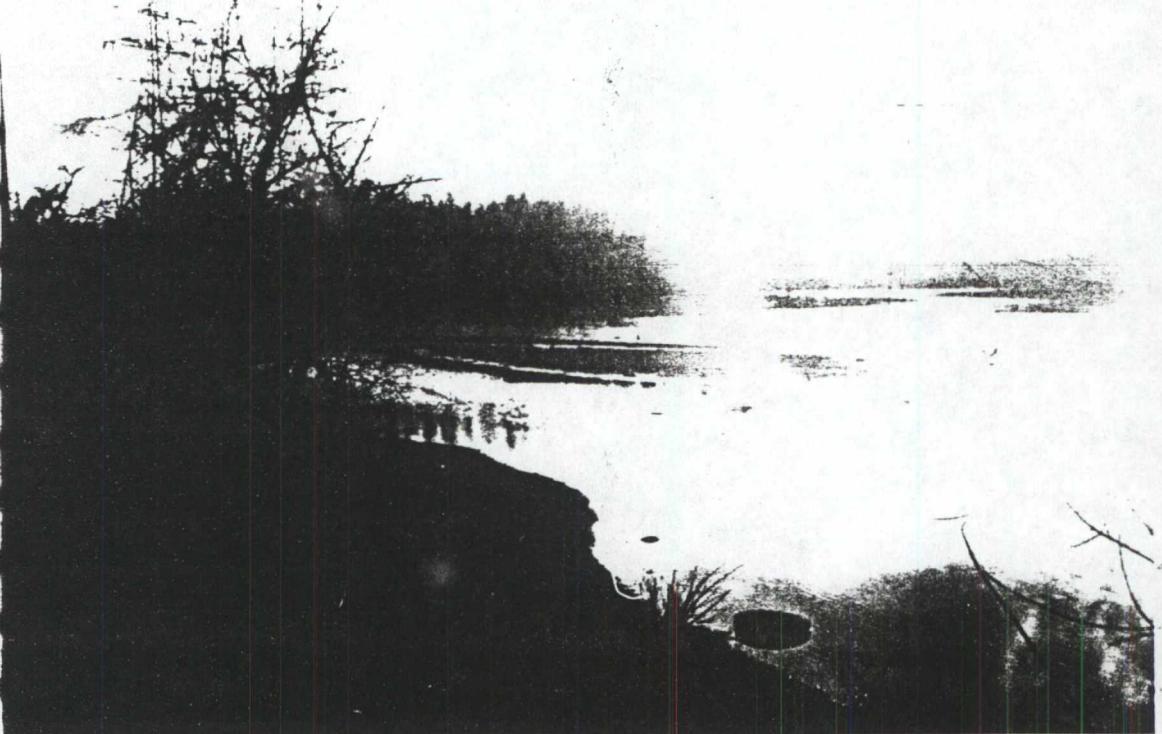
SITE NAME: Old LaSalle Dump
LOCATION: City of LaSalle
LaSalle Co., IL
PHOTOGRAPHER: Todd Murphy
SUBJECT: Five blue flags indicate the locations of composite soil sample S6. Small islands are visible in the background.

TDD#: S05-9604-002
DATE: November 21, 1996
TIME: 1435 Hours
DIRECTION: North



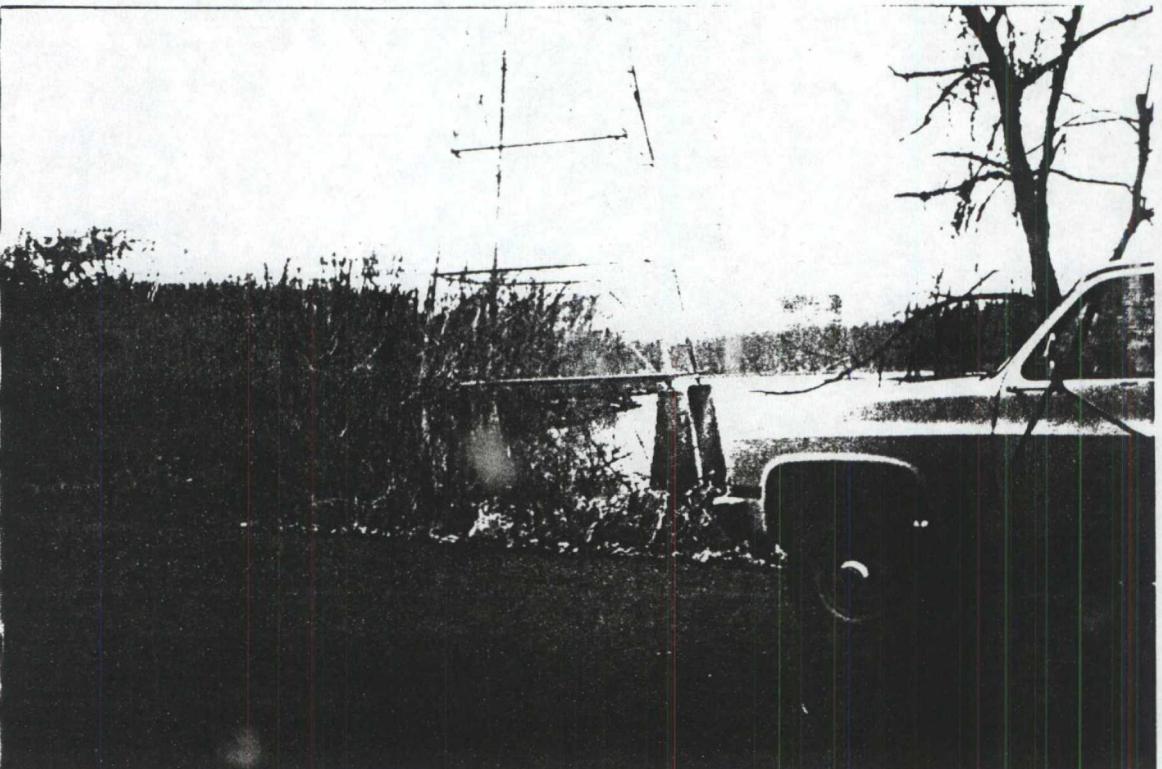
SITE NAME: Old LaSalle Dump
LOCATION: City of LaSalle
LaSalle Co., IL
PHOTOGRAPHER: Todd Murphy
SUBJECT: Blue flag indicates the location of groundwater sample GW4.

TDD#: S05-9604-002
DATE: November 21, 1996
TIME: 1515 Hours
DIRECTION: West



SITE NAME: Old LaSalle Dump
LOCATION: City of LaSalle
LaSalle Co., IL
PHOTOGRAPHER: Todd Murphy
SUBJECT: View of the soil sampling area from the site access road.

TDD#: S05-9604-002
DATE: November 21, 1996
TIME: 1555 Hours
DIRECTION: Southwest



SITE NAME: Old LaSalle Dump
LOCATION: City of LaSalle
LaSalle Co., IL
PHOTOGRAPHER: Todd Murphy
SUBJECT: A large power or telephone line support tower located next to the site access road.

TDD#: S05-9604-002
DATE: November 21, 1996
TIME: 1557 Hours
DIRECTION: Southwest

Appendix B

Analytical Data



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M E M O R A N D U M

DATE: January 11, 1996

TO: Todd Murphy, START Project Manager, E & E, Chicago, Illinois

FROM: David Hendren, START Analytical Services Manager, E & E, Chicago, Illinois

THROUGH: Mary Jane Ripp, START Assistant Program Manager, E & E, Chicago, Illinois

SUBJECT: Organic Data Quality Review for Semivolatile Organic Compounds, Old LaSalle Dump, LaSalle, LaSalle County, Illinois

REFERENCE: Project TDD S05-9604-002 Analytical TDD S05-9604-812
Project PAN 6A0201RAXX Analytical PAN 6AAL01TA

The data quality assurance (QA) review of four water samples collected from the Old LaSalle Dump site is complete. The samples were collected on November 21, 1996, by the Superfund Technical Assessment and Response Team (START) contractor, Ecology and Environment, Inc. (E & E). The samples were submitted to V.O.C. Analytical Laboratories, Inc., Naperville, Illinois. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste 846 Method 8270.

Sample Identification

<u>START Identification No.</u>	<u>Laboratory Identification No.</u>
GW-1	L13009-7
GW-2	L13009-8
GW-3	L13009-9
GW-4	L13009-10

Old LaSalle Dump
Project TDD S05-9604-002
Analytical TDD S05-9604-812
SVOA
Page 2

Data Qualifications:

I. Sample Holding Time: Acceptable

The samples were collected on November 21, 1996, extracted on November 25 and 26, 1996, and analyzed on November 26, 1996. This is within the 14-day holding time limit.

II. Gas Chromatography/Mass Spectrometry (GC/MS) Tuning: Acceptable

GC/MS tuning to meet ion abundance criteria using decafluorotriphenylphosphine (DFTPP) were acceptable and samples were analyzed within 12 hours of DFTPP tuning.

III. Calibrations:

• Initial Calibration: Not Applicable

The percent relative standard deviations (%RSDs) between response factors in the initial calibration could not be verified. Because none of the target compounds were detected, qualification was not necessary.

• Continuing Calibration: Qualified

All average response factors were greater than 0.05 except for 4-chloroaniline, 4-nitroaniline, benzidine, endosulfan II, and endosulfan sulfate; therefore, the nondetect values for these compounds have been flagged "R", as required. The percent differences of the response factors were less than 25%, as required for detected target compounds.

IV. Blank: Acceptable

A method blank was analyzed with the samples. No target compounds or contaminants were detected in the blank.

V. Internal Standards: Acceptable

The areas of the internal standards in the samples were within -50% to +100% of the associated calibration check standard. The retention time of the internal standards were within the 30-second control limit.

Old LaSalle Dump
Project TDD S05-9604-002
Analytical TDD S05-9604-812
SVOA
Page 3

VI. Compound Identification: Acceptable

There were no target compounds detected in the samples.

VII. Additional QC Checks: Acceptable

The recoveries of the surrogates used in the samples and blank were within laboratory-established guidelines.

VIII. Overall Assessment of Data for Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in the Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990), Data Validation Procedures, Section 4.0 BNAs By GC/MS analysis. Based upon the information provided, the data are acceptable for use, with the above-stated qualifications.

Data Qualifiers and Definitions:

R - The sample results are rejected (analyte may or may not be present) due to gross deficiencies in quality control criteria. Any reported value is unusable. Resampling and/or reanalysis is necessary for verification.



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M E M O R A N D U M

DATE: January 26, 1997

TO: Todd Murphy, START Project Manager, E & E, Chicago, Illinois

FROM: David Hendren, START Analytical Services Manager, E & E, Chicago, Illinois

THROUGH: Mary Jane Ripp, START Assistant Program Manager, E & E, Chicago, Illinois

SUBJECT: Data Quality Review for Polychlorinated Biphenyls (PCBs), Old LaSalle Dump, LaSalle, LaSalle County, Illinois

REFERENCE: Project TDD S05-9604-002 Analytical TDD S05-9604-812
Project PAN 6A0201RAXX Analytical PAN 6AAL01TA

The data quality assurance (QA) review of six soil samples collected from the Old LaSalle Dump site is complete. The samples were collected on November 21, 1996, by the Superfund Technical Assessment and Response Team (START) contractor, Ecology and Environment, Inc. (E & E). The samples were submitted to V.O.C. Analytical Laboratories, Inc., Naperville, Illinois. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste 846 Method 8080.

Sample Identification

<u>START Identification No.</u>	<u>Laboratory Identification No.</u>
S1	L13009-1
S1	L13009-2
S3	L13009-3
S4	L13009-4
S5	L13009-5
S6	L13009-6

Old LaSalle Dump
Project TDD S05-9604-002
Analytical TDD S05-9604-812
PCBs
Page 2

Data Qualifications:

I. Sample Holding Time: Acceptable

The samples were collected on November 21, 1996, extracted on November 29, 1996, and analyzed on December 2, 1996. This is within the 14-day holding time limit, from collection to extraction, and 40-day limit from extraction to analysis.

II. Instrument Performance: Acceptable

The chromatographic resolution was adequate in the standard and sample chromatograms. Surrogate retention times were consistent in the samples and standards.

III. Calibrations:

• Initial Calibration: Acceptable

A five-point initial calibration was performed prior to analysis. The correlation coefficients of the response factors exceeded 0.995.

• Continuing Calibration: Acceptable

The percent differences of the response factors were less than 15% for detected target compounds.

IV. Blank: Acceptable

A method blank was analyzed with the sample. No target compounds or contaminants were detected in the blank.

V. Compound Identification: Acceptable

The chromatograms of the detected PCB matched those of the respective standard.

VI. Additional QC Checks: Acceptable

The recoveries of the surrogates used in the samples were within acceptable laboratory limits.

Old LaSalle Dump
Project TDD S05-9604-002
Analytical TDD S05-9604-812
PCBs
Page 3

VII. Overall Assessment of Data for Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in the Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990), Data Validation Procedures, Section 6.0, Pesticides/PCBs. Based upon the information provided, the data are acceptable for use.



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M E M O R A N D U M

DATE: January 26, 1997

TO: Todd Murphy, START Project Manager, E & E, Chicago, Illinois

FROM: David Hendren, START Analytical Services Manager, E & E, Chicago, Illinois

THROUGH: Mary Jane Ripp, START Assistant Program Manager, E & E, Chicago, Illinois

SUBJECT: Data Quality Review for Pesticides and Polychlorinated Biphenyls (PCBs), Old LaSalle Dump, LaSalle, LaSalle County, Illinois

REFERENCE: Project TDD S05-9604-002 Analytical TDD S05-9604-812
Project PAN 6A0201RAXX Analytical PAN 6AAL01TA

The data quality assurance (QA) review of four water samples collected from the Old LaSalle Dump site is complete. The samples were collected on November 21, 1996, by the Superfund Technical Assessment and Response Team (START) contractor, Ecology and Environment, Inc. (E & E). The samples were submitted to V.O.C. Analytical Laboratories, Inc., Naperville, Illinois. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste 846 Method 8080.

Sample Identification

<u>START Identification No.</u>	<u>Laboratory Identification No.</u>
GW-1	L13009-7
GW-2	L13009-8
GW-3	L13009-9
GW-4	L13009-10

Old LaSalle Dump
Project TDD S05-9604-002
Analytical TDD S05-9604-812
Pesticides/PCBs
Page 2

Data Qualifications:

I. Sample Holding Time: Acceptable

The samples were collected on November 21, 1996, extracted on November 27, 1996, and analyzed on November 28 and December 2, 1996. This is within the 14-day holding time limit, from collection to extraction, and 40-day limit from extraction to analysis.

II. Instrument Performance: Acceptable

The chromatographic resolution was adequate in the standard and sample chromatograms. Surrogate retention times were consistent in the samples and standards.

III. Calibrations:

• Initial Calibration: Acceptable

A five-point initial calibration was performed prior to analysis. The correlation coefficients exceeded 0.995 for all detected target compounds.

• Continuing Calibration: Acceptable

The percent differences of the response factors were less than 15% for all detected target compounds.

IV. Blank: Acceptable

A method blank was analyzed with the sample. No target compounds or contaminants were detected in the blank.

V. Compound Identification: Acceptable

The chromatograms of the detected PCBs in the samples matched those of the standards.

VI. Additional QC Checks: Acceptable

The recoveries of the surrogates used in the samples were within acceptable laboratory limits, when sample dilution was not required.

Old LaSalle Dump
Project TDD S05-9604-002
Analytical TDD S05-9604-812
Pesticides/PCBs
Page 3

VII. Overall Assessment of Data for Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in the Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990), Data Validation Procedures, Section 6.0, Pesticides/PCBs. Based upon the information provided, the data are acceptable for use.



ECOLOGY AND ENVIRONMENT

International Specialists in the Environment

33 North Dearborn Street
Chicago, Illinois 60602
Tel. 312/578-9243, Fax: 312/578-9345

M E M O R A N D U M

DATE: January 26, 1997

TO: Todd Murphy, START Project Manager, E & E, Chicago, Illinois

FROM: David Hendren, START Analytical Services Manager, E & E, Chicago, Illinois

THROUGH: Mary Jane Ripp, START Assistant Program Manager, E & E, Chicago, Illinois

SUBJECT: Inorganic Data Quality Review for Resource Conservation and Recovery Act (RCRA) Metals, Old LaSalle Dump, LaSalle, LaSalle County, Illinois

REFERENCE: Project TDD S05-9604-002 Analytical TDD S05-9604-812
Project PAN 6A0201RAXX Analytical PAN 6AAL01TA

The data quality assurance (QA) review of four water samples collected from the Old LaSalle Dump site is complete. The samples were collected on November 21, 1996, by the Superfund Technical Assessment and Response Team (START) contractor, Ecology and Environment, Inc. (E & E). The samples were submitted to V.O.C. Analytical Laboratories, Inc., Naperville, Illinois. The laboratory analyses were performed according to the United States Environmental Protection Agency (U.S. EPA) Solid Waste 846 Methods 6010 and 7000.

Sample Identification

START
Identification No.

GW-1
GW-2
GW-3
GW-4

Laboratory
Identification No.

L13009-7
L13009-8
L13009-9
L13009-10

Old LaSalle Dump
Project TDD S05-9604-002
Analytical TDD S05-9604-812
RCRA Metals
Page 2

Data Qualifications:

I. Sample Holding Time: Acceptable

The samples were collected on November 21, 1996, and analyzed between November 24 and 27, 1996. Analysis for mercury was performed on November 25, 1996. This is within the 6-month (28 days for mercury) holding time limit.

II. Calibration:

• Initial Calibration: Acceptable

Recoveries for the initial calibration verification were within 90 to 110% (80 to 120% for mercury), as required. The correlation coefficient for mercury exceeded 0.995.

• Continuing Calibration: Acceptable

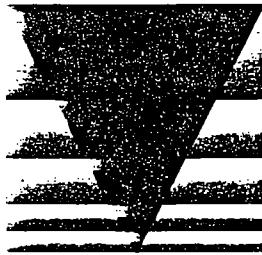
All analytes included in the continuing calibration verification standard were within 90 to 110% (80 to 120% for mercury), as required.

III. Blanks: Acceptable

Calibration and preparation blanks were analyzed with each analytical batch. No target analytes were detected in the blanks.

IV. Overall Assessment of Data For Use: Acceptable

The overall usefulness of the data is based on criteria for QA Level II as outlined in the Office of Solid Waste and Emergency Response (OSWER) Directive 9360.4-01 (April 1990) Data Validation Procedures, Section 3.0, Metallic Inorganic Parameters. Based upon the information provided, the data are acceptable for use.



VOC Analytical Laboratories is Your Quality Assurance

Client #: CHI-96-031104
Address: Ecology and Environment

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 1 of 2
Date: 01/07/97
Log #: L13009-1

Sample Description:

Old LaSalle Dump, TDD#SCS-9604-812
KJ5100

Label: S1
Date Sampled: 11/21/96
Time Sampled: 10:55
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		Analysis Date	Analysis
				Detect Limit	Extr. Date		
Percent Solids							
Percent Solid	75	%	SM2540B	0.10	11/23	11/23	RM
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1221	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1232	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1242	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1248	130	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1254	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
B 1260	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
cal PCB's	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
Dilution Factor	1.0		3550/8080		11/29	12/02	AG

Client #: CHI-96-031184
Address: Ecology and Environment
33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 2 of 2
Date: 01/07/97
Log #: L13009-1

Sample Description:

Old LaSalle Dump, TDD#S05-P604-812
KJ5100

Label: S1
Date Sampled: 11/21/96
Time Sampled: 10:55
Date Received: 11/23/96
Collected By: Client

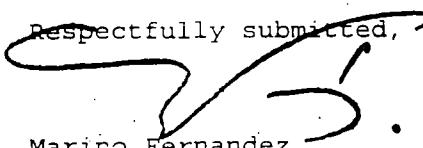
Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Polychlorinated Biphenyls (continued)

BL = Below Detection Limits

* Compounds are Screened Only, with an estimated detection limit.
All analyses were performed using EPA, ASTM, USGS, or Standard Methods.
All analyses were performed within EPA holding times unless otherwise noted.
Analyses are reported in dry weight unless otherwise indicated by units.

GAPM 900376G	GRS# ESI-140, 86356
SUB HRS# 86122, 86199, 86048	AHRM ID# 40350
SC CERT# 96031	VA CERT# 144
TN CERT# 02985	UT CERT# PH-0122
ELPAT# 13801	VA CERT# 1-1068
VA CERT# 00395	AZ CERT# AZ0529
MA CERT# M-FL449	WAAGE CERT
ND CERT# R-148	

Respectfully submitted,

Marino Fernandez
Laboratory Director

L13009-1

Client #: CHI-96-031104
Address: Ecology and Environment
33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 1 of 2
Date: 01/07/97
Log #: L13009-2

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: S2
Date Sampled: 11/21/96
Time Sampled: 12:10
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			
				Detect Limit	Extr. Date	Analysis Date	Analys
Percent Solids							
Percent Solid	70	%	SM2540B	0.10	11/23	11/23	RM
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1221	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1232	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1242	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1248	43	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1254	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
3 1260	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
cal PCB's	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
Dilution Factor	1.0		3550/8080		11/29	12/02	AG

Client #: CHI-96-031104
Address: Ecology and Environment
33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 2 of 2
Date: 01/07/97
Log #: L13009-2

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: S2
Date Sampled: 11/21/96
Time Sampled: 12:10
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Polychlorinated Biphenyls (continued)

BL = Below Detection Limits

* Compounds are Screened Only, with an estimated detection limit.

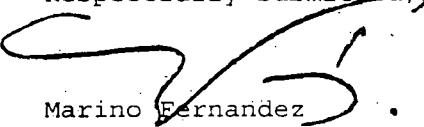
All analyses were performed using EPA, ASTM, USGS, or Standard Methods.

All analyses were performed within EPA holding times, unless otherwise noted.

Analyses are reported in dry weight unless otherwise indicated by units.

QAP# 900376G	HRS# E66240, 86356
SUB HRS# 86122, 86129, 866048,	AZEM ID# 40850
SC CERT# 96031	MI CERT# 444
TN CERT# 02985	CT CERT# PH-0122
ELPAT# 13801	IA CERT# I-1068
VA CERT# 00395	AZ CERT# AZ0529
MA CERT# M-FL449	USACE CERT
ND CERT# R-148	

Respectfully submitted


Marino Fernandez

Laboratory Director

L13009-2

Client #: CHI-96-031104
Address: Ecology and Environment

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 1 of 2
Date: 01/07/97
Log #: L13009-3

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: S3
Date Sampled: 11/21/96
Time Sampled: 12:20
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			
				Detect Limit	Extr. Date	Analysis Date	Analysis
Percent Solids							
Percent Solid	72	%	SM2540B	0.10	11/23	11/23	RM
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1221	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1232	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1242	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1248	280	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1254	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
' 1260	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
cal PCB's	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
Dilution Factor	1.0		3550/8080		11/29	12/02	AG

Client #: CHI-96-031104
Address: Ecology and Environment
33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 2 of 2
Date: 01/07/97
Log #: L13009-3

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: S3
Date Sampled: 11/21/96
Time Sampled: 12:20
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Polychlorinated Biphenyls (continued)

DL = Below Detection Limits

* Compounds are Screened Only, with an estimated detection limit.

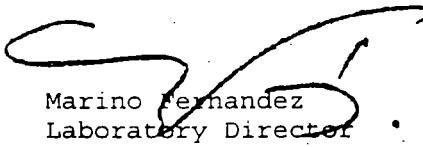
All analyses were performed using EPA, ASTM, USGS, or Standard Methods.

All analyses were performed within EPA holding times unless otherwise noted.

Analyses are reported in dry weight unless otherwise indicated by units.

QAP# 960376G	MS# 180140, 86356
SUB HRS# 86122, 86109, E86048	WSEM ID# 40650
SC CERT# 96031	IT CERT# 444
TN CERT# 02985	IT CERT# PH-0122
ELPAT# 13801	VA CERT# 1-1168
VA CERT# 00395	AZ CERT# AZ0529
MA CERT# M-FL449	VAIE CERT
ND CERT# R-148	

Respectfully submitted,


Marino Fernandez
Laboratory Director

L13009-3

Client #: CHI-96-031104
Address: Ecology and Environment

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 1 of 2
Date: 01/07/97
Log #: L13009-4

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: S4
Date Sampled: 11/21/96
Time Sampled: 13:05
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			
				Detect Limit	Extr. Date	Analysis Date	Analysis
Percent Solids							
Percent Solid	83	%	SM2540B	0.10	11/23	11/23	RM
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg	3550/8080	20	11/29	11/29	AG
PCB 1221	BDL	ug/kg	3550/8080	20	11/29	11/29	AG
PCB 1232	BDL	ug/kg	3550/8080	20	11/29	11/29	AG
PCB 1242	BDL	ug/kg	3550/8080	20	11/29	11/29	AG
PCB 1248	BDL	ug/kg	3550/8080	20	11/29	11/29	AG
PCB 1254	BDL	ug/kg	3550/8080	20	11/29	11/29	AG
PCB 1260	BDL	ug/kg	3550/8080	20	11/29	11/29	AG
total PCB's	BDL	ug/kg	3550/8080	20	11/29	11/29	AG
Dilution Factor	1.0		3550/8080		11/29	11/29	AG

Client #: CHI-96-031104
Address: Ecology and Environment
33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 2 of 2
Date: 01/07/97
Log #: L13009-4

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: S4
Date Sampled: 11/21/96
Time Sampled: 13:05
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Polychlorinated Biphenyls (continued)

)L = Below Detection Limits

* Compounds are Screened Only, with an estimated detection limit.

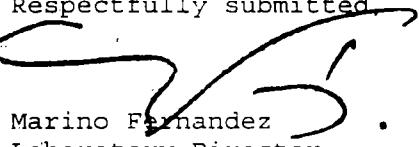
All analyses were performed using EPA, ASTM, USGS, or Standard Methods.

All analyses were performed within EPA holding times unless otherwise noted.

Analyses are reported in dry weight unless otherwise indicated by units.

CAP# 900376G	HASH# E86240, 86356
SUB HRS# 86122, 86109, E86048	ADEM ID# 40850
SC CERT# 96031	CA CERT# 444
TN CERT# 02985	CT CERT# PH-0122
ELPAT# 13801	IA CERT# I-1068
VA CERT# 00395	AZ CERT# AZ0529
MA CERT# M-FL449	USACE CERT
ND-CERT# R-148	

Respectfully submitted,


Marino Fernandez
Laboratory Director

L13009-4

Client #: CHI-96-031104
Address: Ecology and Environment

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 1 of 2
Date: 01/07/97
Log #: L13009-5

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: S5
Date Sampled: 11/21/96
Time Sampled: 13:40
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			
				Detect Limit	Extr. Date	Analysis Date	Analyst
Percent Solids							
Percent Solid	72	%	SM2540B	0.10	11/23	11/23	RM
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1221	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1232	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1242	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1248	2500	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1254	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
'8 1260	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
Cal PCB's	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
Dilution Factor	1.0		3550/8080		11/29	12/02	AG

Client #: CHI-96-031104
Address: Ecology and Environment

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 2 of 2
Date: 01/07/97
Log #: L13009-5

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: S5
Date Sampled: 11/21/96
Time Sampled: 13:40
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			Analyst
				Detect Limit	Extr. Date	Analysis Date	

Polychlorinated Biphenyls (continued)

L = Below Detection Limits

* Compounds are Screened Only, with an estimated detection limit.

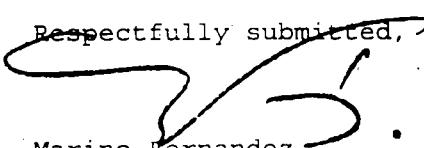
All analyses were performed using EPA, ASTM, USGS, or Standard Methods.

All analyses were performed within EPA holding times unless otherwise noted.

Analyses are reported in dry weight unless otherwise indicated by units.

QAP# 900376G	HRS# E86040, E86356
SUB HRS# 86122, 86139, E86048	ACDEM ID# 40850
SC CERT# 96031	IL CERT# 114
TN CERT# 02985	IT CERT# PH-0122
ELPAT# 13801	VA CERT# 1-1868
VA CERT# 00395	AC CERT# A20529
MA CERT# M-FL449	WSSAGE CERT
ND CERT# R-148	

Respectfully submitted,


Marino Fernandez
Laboratory Director

L13009-5

Client #: CHI-96-031104
Address: Ecology and Environment

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 1 of 2
Date: 01/07/97
Log #: L13009-6

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: S6
Date Sampled: 11/21/96
Time Sampled: 14:45
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			
				Detect Limit	Extr. Date	Analysis Date	Analys
Percent Solids							
Percent Solid	%	%	SM2540B	0.10	11/23	11/23	RM
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1221	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1232	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1242	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1248	1260	ug/kg	3550/8080	20	11/29	12/02	AG
PCB 1254	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
TB 1260	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
Total PCB's	BDL	ug/kg	3550/8080	20	11/29	12/02	AG
Dilution Factor	1.0		3550/8080		11/29	12/02	AG

Client #: CHI-96-031104
Address: Ecology and Environment

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 2 of 2
Date: 01/07/97
Log #: L13009-6

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: S6
Date Sampled: 11/21/96
Time Sampled: 14:45
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			Analyst
				Detect Limit	Extr. Date	Analysis Date	

Polychlorinated Biphenyls (continued)

μL = Below Detection Limits

* Compounds are Screened Only, with an estimated detection limit.

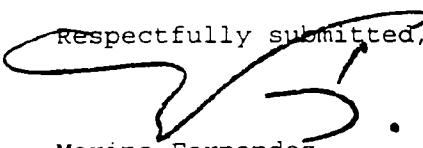
All analyses were performed using EPA, ASTM, USGS, or Standard Methods.

All analyses were performed within EPA holding times unless otherwise noted.

Analyses are reported in dry weight unless otherwise indicated by units.

QAP# 900376G	HRS# E86240, 86356
SUB HRS# 86122, 86109, E86048	AQHM ID# 40850
SC CERT# 96C31	VA CERT# 444
TN CERT# 02985	UT CERT# PH-0122
ELPAT# 13801	VA CERT# 1-0368
VA CERT# 00395	AZ CERT# AZ0529
MA CERT# M-FL449	NSAC CERT
ND CERT# R-148	

Respectfully submitted,



Marino Fernandez
Laboratory Director

L13009-6

Client #: CHI-96-031104
Address: Ecology and Environment
 33 N. Dearborn St., Suite 900
 Chicago, IL 60602
 Attn: Dave Hendren

Page: Page 1 of 6
Date: 01/07/97
Log #: L13009-7

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW1
Date Sampled: 11/21/96
Time Sampled: 10:50
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			
				Detect Limit	Extr. Date	Analysis Date	Analyst
Metals							
Arsenic	BDL	mg/l	3010/6010A	0.010	11/23	11/24	PVP
Barium	0.24	mg/l	3010/6010	0.010	11/23	11/27	PVP
Cadmium	BDL	mg/l	3010/6010A	0.0050	11/23	11/25	PVP
Chromium	0.021	mg/l	3010/6010A	0.0050	11/23	11/24	PVP
Lead	1.1	mg/l	3010/6010A	0.0050	11/23	11/25	PVP
Mercury	BDL	mg/l		245.2	0.0010	11/23	11/25
Selenium	BDL	mg/l	3010/6010A	0.010	11/23	11/24	PVP
Silver	BDL	mg/l	3010/6010A	0.010	11/23	11/24	PVP
Chlorine Pesticides and PCB's							
alpha-BHC	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
gamma-BHC	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Heptachlor	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Aldrin	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
beta-BHC	BDL	ug/l	3510/8080	0.050	11/27	11/28	AG
delta-BHC	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Heptachlor Epoxide	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Endosulfan I	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
4,4'-DDE	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Dieldrin	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Endrin	BDL	ug/l	3510/8080	0.050	11/27	11/28	AG
4,4'-DDD	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Endosulfan II	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG

Client #: CHI-96-031104
Address: Ecology and Environment
 33 N. Dearborn St., Suite 900
 Chicago, IL 60602
 Attn: Dave Hendren

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Date: 01/07/97
Log #: L13009-7

Sample Description:

Old LaSalle Dump, TDD#505-#604-812
 KJ5100

Label: GW1
Date Sampled: 11/21/96
Time Sampled: 10:50
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Organochlorine Pesticides and PCB's (continued)

4,4'-DDT	BDL	ug/l	3510/8080	0.050	11/27	11/28	AG
Endrin Aldehyde	BDL	ug/l	3510/8080	0.050	11/27	11/28	AG
Ethoxychlor	BDL	ug/l	3510/8080	0.050	11/27	11/28	AG
Endosulfan Sulfate	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Endrin Ketone	BDL	ug/l	3510/8080	0.020	11/27	11/28	AG
Toxaphene	BDL	ug/l	3510/8080	0.10	11/27	11/28	AG
Chlordane	BDL	ug/l	3510/8080	0.10	11/27	11/28	AG
PCB 1016	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1221	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1232	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1242	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1248	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1254	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1260	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
Total PCB's	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
Dilution Factor			3510/8080		11/27	11/28	AG

Surrogate Recoveries:

4,4'-Dichlorobiphenyl	100	%	3510/8080	49-146	11/27	11/28	AG
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Unvolatible Organic Compounds

Nitrosodimethylamine	BDL	ug/l	3510/8270	4.0	11/26	11/26	DM
Aniline	BDL	ug/l	3510/8270	15	11/26	11/26	DM
Phenol	BDL	ug/l	3510/8270	5.2	11/26	11/26	DM
Bis(2-Chloroethyl) Ether	BDL	ug/l	3510/8270	15	11/26	11/26	DM
2-Chlorophenol	BDL	ug/l	3510/8270	7.5	11/26	11/26	DM
1,3-Dichlorobenzene	BDL	ug/l	3510/8270	6.0	11/26	11/26	DM
1,4-Dichlorobenzene	BDL	ug/l	3510/8270	6.7	11/26	11/26	DM
Benzyl alcohol	BDL	ug/l	3510/8270	8.0	11/26	11/26	DM
1,2-Dichlorobenzene	BDL	ug/l	3510/8270	6.5	11/26	11/26	DM
2-Methylphenol	BDL	ug/l	3510/8270	4.8	11/26	11/26	DM
Bis(2-Chloroisopropyl) Ether	BDL	ug/l	3510/8270	8.0	11/26	11/26	DM
N-Nitrosodi-n-propylamine	BDL	ug/l	3510/8270	8.1	11/26	11/26	DM
4-Methylphenol	BDL	ug/l	3510/8270	4.6	11/26	11/26	DM
Hexachloroethane	BDL	ug/l	3510/8270	6.4	11/26	11/26	DM

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Date: 01/07/97
Log #: L13009-7

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW1
Date Sampled: 11/21/96
Time Sampled: 10:50
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Semivolatile Organic Compounds (continued)

Nitrobenzene	BDL	ug/l	3510/8270	6.1	11/26	11/26	DM
I - orone	BDL	ug/l	3510/8270	6.1	11/26	11/26	DM
2 - rophenol	BDL	ug/l	3510/8270	7.2	11/26	11/26	DM
2,4-Dimethyl Phenol	BDL	ug/l	3510/8270	8.0	11/26	11/26	DM
Bis(2-Chloroethoxy) Methane	BDL	ug/l	3510/8270	6.9	11/26	11/26	DM
Benzoic Acid	BDL	ug/l	3510/8270	4.0	11/26	11/26	DM
N-Nitrosodiemethylamine	BDL	ug/l	3510/8270	8.8	11/26	11/26	DM
2,4-Dichlorophenol	BDL	ug/l	3510/8270	7.6	11/26	11/26	DM
1,2,4-Trichlorobenzene	BDL	ug/l	3510/8270	5.4	11/26	11/26	DM
Naphthalene	BDL	ug/l	3510/8270	6.9	11/26	11/26	DM
4-Chloroaniline	BDL	ug/l	3510/8270	10	11/26	11/26	DM
Hexachlorobutadiene	BDL	ug/l	3510/8270	5.4	11/26	11/26	DM
4-Chloro-3-Methylphenol	BDL	ug/l	3510/8270	8.4	11/26	11/26	DM
1-Methylnaphthalene	BDL	ug/l	3510/8270	6.6	11/26	11/26	DM
2-Methylnaphthalene	BDL	ug/l	3510/8270	6.4	11/26	11/26	DM
Hexachlorocyclopentadiene	BDL	ug/l	3510/8270	4.0	11/26	11/26	DM
2,4,6-Trichlorophenol	BDL	ug/l	3510/8270	8.0	11/26	11/26	DM
2,4,5-Trichlorophenol	BDL	ug/l	3510/8270	8.8	11/26	11/26	DM
2-Chloronaphthalene	BDL	ug/l	3510/8270	5.4	11/26	11/26	DM
2 - roaniline	BDL	ug/l	3510/8270	8.0	11/26	11/26	DM
D - hylphthalate	BDL	ug/l	3510/8270	8.0	11/26	11/26	DM
2,6-Dinitrotoluene	BDL	ug/l	3510/8270	5.4	11/26	11/26	DM
Acenaphthylene	BDL	ug/l	3510/8270	12	11/26	11/26	DM
3-Nitroaniline	BDL	ug/l	3510/8270	10	11/26	11/26	DM
Acenaphthene	BDL	ug/l	3510/8270	8.3	11/26	11/26	DM
Dibenzofuran	BDL	ug/l	3510/8270	8.6	11/26	11/26	DM
2,4-Dinitrotoluene	BDL	ug/l	3510/8270	11	11/26	11/26	DM
2,4-Dinitrophenol	BDL	ug/l	3510/8270	11	11/26	11/26	DM
4-Nitrophenol	BDL	ug/l	3510/8270	6.4	11/26	11/26	DM
Diethylphthalate	BDL	ug/l	3510/8270	8.8	11/26	11/26	DM
Fluorene	BDL	ug/l	3510/8270	10	11/26	11/26	DM
4-Chlorophenyl-phenylether	BDL	ug/l	3510/8270	9.0	11/26	11/26	DM
4-Nitroaniline	BDL	ug/l	3510/8270	13	11/26	11/26	DM
4,6-Dinitro-2-Methylphenol	BDL	ug/l	3510/8270	13	11/26	11/26	DM

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 Attn: Dave Hendren

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 Date: 01/07/97
 Log #: L13009-7

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW1
 Date Sampled: 11/21/96
 Time Sampled: 10:50
 Date Received: 11/23/96
 Collected By: Client

Parameter	Results	Units	Method	Reportable Detect Limit	Extr. Date	Analysis Date	Analysis
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Semivolatile Organic Compounds (continued)

N-Nitrosodiphenylamine	BDL	ug/l	3510/8270	8.8	11/26	11/26	DM
A-nzene	BDL	ug/l	3510/8270	8.9	11/26	11/26	DM
4-mophenyl-phenylether	BDL	ug/l	3510/8270	6.9	11/26	11/26	DM
alpha-BHC	BDL	ug/l	3510/8270	8.4	11/26	11/26	DM
Hexachlorobenzene	BDL	ug/l	3510/8270	6.8	11/26	11/26	DM
Pentachlorophenol	BDL	ug/l	3510/8270	9.2	11/26	11/26	DM
gamma-BHC	BDL	ug/l	3510/8270	10	11/26	11/26	DM
beta-BHC	BDL	ug/l	3510/8270	8.8	11/26	11/26	DM
Phenanthrene	BDL	ug/l	3510/8270	9.6	11/26	11/26	DM
Anthracene	BDL	ug/l	3510/8270	14	11/26	11/26	DM
delta-BHC	BDL	ug/l	3510/8270	11	11/26	11/26	DM
Carbazole	BDL	ug/l	3510/8270	3.5	11/26	11/26	DM
Heptachlor	BDL	ug/l	3510/8270	10	11/26	11/26	DM
Di-n-butylphthalate	BDL	ug/l	3510/8270	12	11/26	11/26	DM
Aldrin	BDL	ug/l	3510/8270	10	11/26	11/26	DM
Fluoranthene	BDL	ug/l	3510/8270	10	11/26	11/26	DM
Heptachlor Epoxide	BDL	ug/l	3510/8270	5.6	11/26	11/26	DM
Benzidine	BDL	ug/l	3510/8270	17	11/26	11/26	DM
Pyrene	BDL	ug/l	3510/8270	8.4	11/26	11/26	DM
E-sulfan I	BDL	ug/l	3510/8270	9.4	11/26	11/26	DM
4-DDE	BDL	ug/l	3510/8270	6.4	11/26	11/26	DM
Dieldrin	BDL	ug/l	3510/8270	11	11/26	11/26	DM
4,4'-DDD	BDL	ug/l	3510/8270	27.2	11/26	11/26	DM
Endosulfan II	BDL	ug/l	3510/8270	8.7	11/26	11/26	DM
Endrin Aldehyde	BDL	ug/l	3510/8270	12	11/26	11/26	DM
Endrin	BDL	ug/l	3510/8270	10	11/26	11/26	DM
Butylbenzylphthalate	BDL	ug/l	3510/8270	10	11/26	11/26	DM
Endosulfan Sulfate	BDL	ug/l	3510/8270	8.8	11/26	11/26	DM
4,4'-DDT	BDL	ug/l	3510/8270	8.0	11/26	11/26	DM
Endrin Ketone	BDL	ug/l	3510/8270	12	11/26	11/26	DM
Benzo(a)anthracene	BDL	ug/l	3510/8270	8.0	11/26	11/26	DM
3,3'-Dichlorobenzidine	BDL	ug/l	3510/8270	7.4	11/26	11/26	DM
Chrysene	BDL	ug/l	3510/8270	12	11/26	11/26	DM
1,2-Diphenylhydrazine	BDL	ug/l	3510/8270	8.8	11/26	11/26	DM

Client #: CHI-96-031104
Address: Ecology and Environment

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Attn: Dave Hendren

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Date: 01/07/97
Log #: L13009-7

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW1
Date Sampled: 11/21/96
Time Sampled: 10:50
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Semivolatile Organic Compounds (continued)

Bis(2-Ethylhexyl) Phthalate	BDL	ug/l	3510/8270	13	11/26	11/26	DM
D ₅ octyl phthalate	BDL	ug/l	3510/8270	15	11/26	11/26	DM
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	8.4	11/26	11/26	DM
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	9.2	11/26	11/26	DM
Benzo(a)pyrene	BDL	ug/l	3510/8270	8.0	11/26	11/26	DM
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	3.6	11/26	11/26	DM
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	7.6	11/26	11/26	DM
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	6.8	11/26	11/26	DM
PCB 1016	BDL	ug/l	3510/8270	100	11/26	11/26	DM
PCB 1221	BDL	ug/l	3510/8270	100	11/26	11/26	DM
PCB 1232	BDL	ug/l	3510/8270	100	11/26	11/26	DM
PCB 1242	BDL	ug/l	3510/8270	100	11/26	11/26	DM
PCB 1254	BDL	ug/l	3510/8270	100	11/26	11/26	DM
PCB 1260	BDL	ug/l	3510/8270	100	11/26	11/26	DM
Chlordane	BDL	ug/l	3510/8270	100	11/26	11/26	DM
Toxaphene	BDL	ug/l	3510/8270	100	11/26	11/26	DM
Dilution Factor	1.0		3510/8270		11/26	11/26	DM

Surrogate Recoveries:

2-Fluorophenol	96.0	%	3510/8270	21-100	11/26	11/26	DM
P ₁ -1-d5	105	%	3510/8270	10-94	11/26	11/26	DM
N ₁ -benzene-d5	98.0	%	3510/8270	35-114	11/26	11/26	DM
2-Fluorobiphenyl	99.0	%	3510/8270	43-111	11/26	11/26	DM
2,4,6-Tribromophenol	97.0	%	3510/8270	10-123	11/26	11/26	DM
Terphenyl-d14	114	%	3510/8270	33-141	11/26	11/26	DM

Client #: CHI-96-031104
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Chicago, IL 60602
Attn: Dave Hendren

Page: Page 6 of 6
Date: 01/07/97
Log #: L13009-7

Sample Description:

Old LaSalle Dump, TDD#505-9604-812.
KJ5100

Label: GW1
Date Sampled: 11/21/96
Time Sampled: 10:50
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			Analyst
				Detect Limit	Extr. Date	Analysis Date	

Semivolatile Organic Compounds (continued)

BL = Below Detection Limits

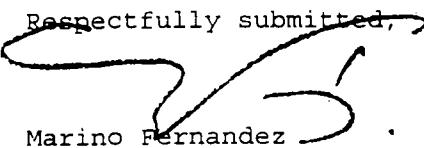
* Compounds are Screened Only, with an estimated detection limit.

All analyses were performed using EPA, ASTM, USGS, or Standard Methods.

All analyses were performed within EPA holding times unless otherwise noted.

Analyses are reported in dry weight unless otherwise indicated by units.

QAP# 900376G	HRS# E86240, E86356
SUB HRS# 86122, 86109, E86048	ABEM IS# 40850
SC CERT# 96031	NIJ CERT# 444
TN CERT# 02985	IT CERT# PH-0122
ELPAT# 13801	IA CERT# I-1058
VA CERT# 00395	AZ CERT# AZ0529
MA CERT# M-FL449	USACE CERT
ND CERT# R-148	

Respectfully submitted,

Marino Fernandez
Laboratory Director

L13009-7

Client #: CHI-96-031104
Address: Ecology and Environment
 33 N. Dearborn St., Suite 900
 Chicago, IL 60602
 Attn: Dave Hendren

Page: Page 1 of 6
Date: 01/07/97
Log #: L13009-8

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW2
Date Sampled: 11/21/96
Time Sampled: 11:40
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			
				Detect Limit	Extr. Date	Analysis Date	Analys
Metals							
Arsenic	BDL	mg/l	3010/6010A	0.010	11/23	11/24	PVP
Barium	0.20	mg/l	3010/6010A	0.010	11/23	11/26	PVP
Cadmium	BDL	mg/l	3010/6010A	0.0050	11/23	11/25	PVP
Chromium	0.0065	mg/l	3010/6010A	0.0050	11/23	11/24	PVP
Lead	0.38	mg/l	3010/6010A	0.0050	11/23	11/25	PVP
Mercury	BDL	mg/l	245.2	0.0010	11/23	11/25	PVP
Selenium	BDL	mg/l	3010/6010A	0.010	11/23	11/24	PVP
Silver	BDL	mg/l	3010/6010A	0.010	11/23	11/24	PVP
Organochlorine Pesticides and PCB's							
alpha-BHC	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
gamma-BHC	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Heptachlor	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Aldrin	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
beta-BHC	BDL	ug/l	3510/8080	0.050	11/27	11/28	AG
delta-BHC	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Heptachlor Epoxide	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Endosulfan I	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
4,4'-DDE	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Dieldrin	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Endrin	BDL	ug/l	3510/8080	0.050	11/27	11/28	AG
4,4'-DDD	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Endosulfan II	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG

Client #: CHI-96-031104
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33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW2
Date Sampled: 11/21/96
Time Sampled: 11:40
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Organochlorine Pesticides and PCB's (continued)

4,4'-DDT	BDL	ug/l	3510/8080	0.050	11/27	11/28	AG
drin Aldehyde	BDL	ug/l	3510/8080	0.050	11/27	11/28	AG
ethoxychlor	BDL	ug/l	3510/8080	0.050	11/27	11/28	AG
Endosulfan Sulfate	BDL	ug/l	3510/8080	0.010	11/27	11/28	AG
Endrin Ketone	BDL	ug/l	3510/8080	0.020	11/27	11/28	AG
Toxaphene	BDL	ug/l	3510/8080	0.10	11/27	11/28	AG
Chlordane	BDL	ug/l	3510/8080	0.10	11/27	11/28	AG
PCB 1016	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1221	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1232	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1242	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1248	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1254	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
PCB 1260	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
Total PCB's	BDL	ug/l	3510/8080	0.50	11/27	11/28	AG
Dilution Factor	1.0		3510/8080		11/27	11/28	AG
Surrogate Recoveries:							
4,4'-Dichlorobiphenyl	122	%	3510/8080	49-146	11/27	11/28	AG

Nonvolatile Organic Compounds

Nitrosodimethylamine	BDL	ug/l	3510/8270	4.0	11/25	11/26	DM
Aniline	BDL	ug/l	3510/8270	15	11/25	11/26	DM
Phenol	BDL	ug/l	3510/8270	5.2	11/25	11/26	DM
Bis(2-Chloroethyl) Ether	BDL	ug/l	3510/8270	15	11/25	11/26	DM
2-Chlorophenol	SDL	ug/l	3510/8270	7.5	11/25	11/26	DM
1,3-Dichlorobenzene	BDL	ug/l	3510/8270	6.0	11/25	11/26	DM
1,4-Dichlorobenzene	BDL	ug/l	3510/8270	6.7	11/25	11/26	DM
Benzyl alcohol	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
1,2-Dichlorobenzene	BDL	ug/l	3510/8270	6.5	11/25	11/26	DM
2-Methylphenol	BDL	ug/l	3510/8270	4.8	11/25	11/26	DM
Bis(2-Chloroisopropyl) Ether	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
N-Nitrosodi-n-propylamine	BDL	ug/l	3510/8270	8.1	11/25	11/26	DM
4-Methylphenol	BDL	ug/l	3510/8270	4.6	11/25	11/26	DM
Hexachloroethane	BDL	ug/l	3510/8270	6.4	11/25	11/26	DM

Client #: CHI-96-031104
Address: Ecology and Environment
 33 N. Dearborn St., Suite 900
 Chicago, IL 60602
 Attn: Dave Hendren

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Date: 01/07/97
Log #: L13009-8

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
 KJ5100

Label: GW2
Date Sampled: 11/21/96
Time Sampled: 11:40
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Semivolatile Organic Compounds (continued)

Nitrobenzene	BDL	ug/l	3510/8270	6.1	11/25	11/26	DM
Phorone	BDL	ug/l	3510/8270	6.1	11/25	11/26	DM
- Nitrophenol	BDL	ug/l	3510/8270	7.2	11/25	11/26	DM
2,4-Dimethyl Phenol	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
Bis(2-Chloroethoxy) Methane	BDL	ug/l	3510/8270	6.9	11/25	11/26	DM
Benzoic Acid	BDL	ug/l	3510/8270	4.0	11/25	11/26	DM
N-Nitrosodiethylamine	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
2,4-Dichlorophenol	BDL	ug/l	3510/8270	7.6	11/25	11/26	DM
1,2,4-Trichlorobenzene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
Naphthalene	BDL	ug/l	3510/8270	6.9	11/25	11/26	DM
4-Chloroaniline	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Hexachlorobutadiene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
4-Chloro-3-Methylphenol	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
1-Methylnaphthalene	BDL	ug/l	3510/8270	6.6	11/25	11/26	DM
2-Methylnaphthalene	BDL	ug/l	3510/8270	6.4	11/25	11/26	DM
Hexachlorocyclopentadiene	BDL	ug/l	3510/8270	4.0	11/25	11/26	DM
2,4,6-Trichlorophenol	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
2,4,5-Trichlorophenol	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
2-Chloronaphthalene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
Nitroaniline	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
Methylphthalate	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
2,6-Dinitrotoluene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
Acenaphthylene	BDL	ug/l	3510/8270	12	11/25	11/26	DM
3-Nitroaniline	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Acenaphthene	BDL	ug/l	3510/8270	8.3	11/25	11/26	DM
Dibenzofuran	BDL	ug/l	3510/8270	8.6	11/25	11/26	DM
2,4-Dinitrotoluene	BDL	ug/l	3510/8270	11	11/25	11/26	DM
2,4-Dinitrophenol	BDL	ug/l	3510/8270	11	11/25	11/26	DM
4-Nitrophenol	BDL	ug/l	3510/8270	6.4	11/25	11/26	DM
Diethylphthalate	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
Fluorene	BDL	ug/l	3510/8270	10	11/25	11/26	DM
4-Chlorophenyl-phenylether	BDL	ug/l	3510/8270	9.0	11/25	11/26	DM
4-Nitroaniline	BDL	ug/l	3510/8270	13	11/25	11/26	DM
4,6-Dinitro-2-Methylphenol	BDL	ug/l	3510/8270	13	11/25	11/26	DM

Client #: CHI-96-031104
Address: Ecology and Environment
 33 N. Dearborn St., Suite 900
 Chicago, IL 60602
 Attn: Dave Hendren

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Date: 01/07/97
Log #: L13009-8

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
 KJ5100

Label: GW2
Date Sampled: 11/21/96
Time Sampled: 11:40
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Semivolatile Organic Compounds (continued)

N-Nitrosodiphenylamine	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
o-benzene	BDL	ug/l	3510/8270	8.9	11/25	11/26	DM
Bromophenyl-phenylether	BDL	ug/l	3510/8270	6.9	11/25	11/26	DM
alpha-BHC	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
Hexachlorobenzene	BDL	ug/l	3510/8270	6.8	11/25	11/26	DM
Pentachlorophenol	BDL	ug/l	3510/8270	9.2	11/25	11/26	DM
gamma-BHC	SDL	ug/l	3510/8270	10	11/25	11/26	DM
beta-BHC	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
Phenanthrene	BDL	ug/l	3510/8270	9.6	11/25	11/26	DM
Anthracene	BDL	ug/l	3510/8270	14	11/25	11/26	DM
delta-BHC	BDL	ug/l	3510/8270	11	11/25	11/26	DM
Carbazole	BDL	ug/l	3510/8270	3.5	11/25	11/26	DM
Heptachlor	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Di-n-butylphthalate	BDL	ug/l	3510/8270	12	11/25	11/26	DM
Aldrin	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Fluoranthene	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Heptachlor Epoxide	BDL	ug/l	3510/8270	5.6	11/25	11/26	DM
Benzidine	BDL	ug/l	3510/8270	17	11/25	11/26	DM
Pyrene	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
dosulfan I	BDL	ug/l	3510/8270	9.4	11/25	11/26	DM
4'-DDE	SDL	ug/l	3510/8270	6.4	11/25	11/26	DM
Dieudrin	BDL	ug/l	3510/8270	11	11/25	11/26	DM
4,4'-DDD	BDL	ug/l	3510/8270	7.2	11/25	11/26	DM
Endosulfan II	BDL	ug/l	3510/8270	8.7	11/25	11/26	DM
Endrin Aldehyde	SDL	ug/l	3510/8270	12	11/25	11/26	DM
Endrin	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Butylbenzylphthalate	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Endosulfan Sulfate	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
4,4'-DDT	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
Endrin Ketone	SDL	ug/l	3510/8270	12	11/25	11/26	DM
Benzo(a)anthracene	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
3,3'-Dichlorobenzidine	BDL	ug/l	3510/8270	7.4	11/25	11/26	DM
Chrysene	BDL	ug/l	3510/8270	12	11/25	11/26	DM
1,2-Diphenylhydrazine	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM

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 Attn: Dave Hendren

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Date: 01/07/97
Log #: L13009-8

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW2
Date Sampled: 11/21/96
Time Sampled: 11:40
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Semivolatile Organic Compounds (continued)

Bis(2-Ethylhexyl)Phthalate	BDL	ug/l	3510/8270	13	11/25	11/26	DM
-n-octyl phthalate	BDL	ug/l	3510/8270	15	11/25	11/26	DM
Benzo(b)fluoranthene	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	9.2	11/25	11/26	DM
Benzo(a)pyrene	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	3.6	11/25	11/26	DM
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	7.6	11/25	11/26	DM
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	6.8	11/25	11/26	DM
PCB 1016	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1221	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1232	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1242	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1254	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1260	BDL	ug/l	3510/8270	100	11/25	11/26	DM
Chlordane	BDL	ug/l	3510/8270	100	11/25	11/26	DM
Toxaphene	BDL	ug/l	3510/8270	100	11/25	11/26	DM
Dilution Factor	1.0		3510/8270		11/25	11/26	DM
Surrogate Recoveries:							
2-Fluorophenol	90.0	%	3510/8270	21-100	11/25	11/26	DM
enol-d5	88.0	%	3510/8270	10-94	11/25	11/26	DM
trichlorobenzene-d5	103	%	3510/8270	35-114	11/25	11/26	DM
2-Fluorobiphenyl	80.0	%	3510/8270	43-111	11/25	11/26	DM
2,4,6-Tribromophenol	97.0	%	3510/8270	10-123	11/25	11/26	DM
Terphenyl-d14	118	%	3510/8270	33-141	11/25	11/26	DM

Client #: CHI-96-031104
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Attn: Dave Hendren

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Date: 01/07/97
Log #: L13009-8

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW2
Date Sampled: 11/21/96
Time Sampled: 11:40
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Semivolatile Organic Compounds (continued)

L = Below Detection Limits

* Compounds are Screened Only, with an estimated detection limit.

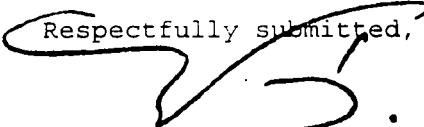
All analyses were performed using EPA, ASTM, USGS, or Standard Methods.

All analyses were performed within EPA holding times unless otherwise noted.

Analyses are reported in dry weight unless otherwise indicated by units.

QAP# 900376G	HRS# H64241.86356
SUB HRS# 86122.86109.E86048	ACEM ID# 49850
SC CERT# 96031	MI CERT# 444
TN CERT# 02985	ST CERT# FH-0122
ELPAT# 13801	CA CERT# 1-1068
VA CERT# 00395	AZ CERT# AZ0529
MA CERT# M-FL449	USACE CERT
ND CERT# R-148	

Respectfully submitted,


Marino Fernandez
Laboratory Director

L13009-8

Client #: CHI-96-031104
Address: Ecology and Environment

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

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Date: 01/07/97
Log #: L13009-9

Sample Description:

Old LaSalle Dump, TDD#505-4604-812
KJ5100

Label: GW3
Date Sampled: 11/21/96
Time Sampled: 12:30
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		Extr. Date	Analysis Date	Analysis
				Detect Limit	Limit			
Metals								
Arsenic	BDL	mg/l	3010/6010A	0.010	11/23	11/24		PVP
Barium	0.27	mg/l	3010/6010A	0.010	11/23	11/26		PVP
Cadmium	0.0075	mg/l	3010/6010A	0.0050	11/23	11/25		PVP
Chromium	0.011	mg/l	3010/6010A	0.0050	11/23	11/24		PVP
Lead	1.2	mg/l	3010/6010A	0.0050	11/23	11/25		PVP
Mercury	BDL	mg/l	245.2	0.0010	11/23	11/25		PVP
Selenium	BDL	mg/l	3010/6010A	0.010	11/23	11/24		PVP
Silver	BDL	mg/l	3010/6010A	0.010	11/23	11/24		PVP
Organochlorine Pesticides and PCB's								
alpha-BHC	BDL	ug/l	3510/8080	0.010	11/27	12/02		AG
gamma-BHC	BDL	ug/l	3510/8080	0.010	11/27	12/02		AG
Heptachlor	BDL	ug/l	3510/8080	0.010	11/27	12/02		AG
Aldrin	BDL	ug/l	3510/8080	0.010	11/27	12/02		AG
beta-BHC	BDL	ug/l	3510/8080	0.050	11/27	12/02		AG
delta-BHC	BDL	ug/l	3510/8080	0.010	11/27	12/02		AG
Heptachlor Epoxide	BDL	ug/l	3510/8080	0.010	11/27	12/02		AG
Endosulfan I	BDL	ug/l	3510/8080	0.010	11/27	12/02		AG
4,4'-DDE	BDL	ug/l	3510/8080	0.010	11/27	12/02		AG
Dieldrin	BDL	ug/l	3510/8080	0.010	11/27	12/02		AG
Endrin	BDL	ug/l	3510/8080	0.050	11/27	12/02		AG
4,4'-DDD	BDL	ug/l	3510/8080	0.010	11/27	12/02		AG
Endosulfan II	BDL	ug/l	3510/8080	0.010	11/27	12/02		AG

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 Chicago, IL 60602
 Attn: Dave Hendren

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 Date: 01/07/97
 Log #: L13009-9

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW3
 Date Sampled: 11/21/96
 Time Sampled: 12:30
 Date Received: 11/23/96
 Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Organochlorine Pesticides and PCB's (continued)

4,4'-DDT	BDL	ug/l	3510/8080	0.050	11/27	12/02	AG
Irin Aldehyde	BDL	ug/l	3510/8080	0.050	11/27	12/02	AG
Choxychlor	BDL	ug/l	3510/8080	0.050	11/27	12/02	AG
Endosulfan Sulfate	BDL	ug/l	3510/8080	0.010	11/27	12/02	AG
Endrin Ketone	BDL	ug/l	3510/8080	0.020	11/27	12/02	AG
Toxaphene	BDL	ug/l	3510/8080	0.10	11/27	12/02	AG
Chlordane	BDL	ug/l	3510/8080	0.10	11/27	12/02	AG
PCB 1016	BDL	ug/l	3510/8080	0.50	11/27	12/02	AG
PCB 1221	BDL	ug/l	3510/8080	0.50	11/27	12/02	AG
PCB 1232	BDL	ug/l	3510/8080	0.50	11/27	12/02	AG
PCB 1242	BDL	ug/l	3510/8080	0.50	11/27	12/02	AG
PCB 1248	1.7	ug/l	3510/8080	0.50	11/27	12/02	AG
PCB 1254	BDL	ug/l	3510/8080	0.50	11/27	12/02	AG
PCB 1260	BDL	ug/l	3510/8080	0.50	11/27	12/02	AG
Total PCB's	BDL	ug/l	3510/8080	0.50	11/27	12/02	AG
Dilution Factor	1.0		3510/8080		11/27	12/02	AG

Surrogate Recoveries:

4,4'-Dichlorobiphenyl	99.0	%	3510/8080	49-146	11/27	12/02	AG
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Nonvolatile Organic Compounds

Nitrosodimethylamine	BDL	ug/l	3510/8270	4.0	11/25	11/26	DM
Aniline	BDL	ug/l	3510/8270	1.15	11/25	11/26	DM
Phenol	BDL	ug/l	3510/8270	0.5.2	11/25	11/26	DM
Bis(2-Chloroethyl) Ether	BDL	ug/l	3510/8270	0.15	11/25	11/26	DM
2-Chlorophenol	BDL	ug/l	3510/8270	7.5	11/25	11/26	DM
1,3-Dichlorobenzene	BDL	ug/l	3510/8270	6.0	11/25	11/26	DM
1,4-Dichlorobenzene	BDL	ug/l	3510/8270	6.7	11/25	11/26	DM
Benzyl alcohol	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
1,2-Dichlorobenzene	BDL	ug/l	3510/8270	6.5	11/25	11/26	DM
2-Methylphenol	BDL	ug/l	3510/8270	4.8	11/25	11/26	DM
Bis(2-Chloroisopropyl) Ether	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
N-Nitrosodi-n-propylamine	BDL	ug/l	3510/8270	8.1	11/25	11/26	DM
4-Methylphenol	BDL	ug/l	3510/8270	4.6	11/25	11/26	DM
Hexachloroethane	BDL	ug/l	3510/8270	6.4	11/25	11/26	DM

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 Date: 01/07/97
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Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW3
 Date Sampled: 11/21/96
 Time Sampled: 12:30
 Date Received: 11/23/96
 Collected By: Client

Parameter	Results	Units	Method	Reportable			
				Detect Limit	Extr. Date	Analysis Date	Analysis

Semivolatile Organic Compounds (continued)

Nitrobenzene	BDL	ug/l	3510/8270	6.1	11/25	11/26	DM
o-phorone	BDL	ug/l	3510/8270	6.1	11/25	11/26	DM
Nitrophenol	BDL	ug/l	3510/8270	7.2	11/25	11/26	DM
2,4-Dimethyl Phenol	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
Bis(2-Chloroethoxy) Methane	BDL	ug/l	3510/8270	6.9	11/25	11/26	DM
Benzoic Acid	BDL	ug/l	3510/8270	4.0	11/25	11/26	DM
N-Nitrosodiethylamine	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
2,4-Dichlorophenol	BDL	ug/l	3510/8270	7.6	11/25	11/26	DM
1,2,4-Trichlorobenzene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
Naphthalene	BDL	ug/l	3510/8270	6.9	11/25	11/26	DM
4-Chloroaniline	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Hexachlorobutadiene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
4-Chloro-3-Methylphenol	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
1-Methylnaphthalene	BDL	ug/l	3510/8270	6.6	11/25	11/26	DM
2-Methylnaphthalene	BDL	ug/l	3510/8270	6.4	11/25	11/26	DM
Hexachlorocyclopentadiene	BDL	ug/l	3510/8270	4.0	11/25	11/26	DM
2,4,6-Trichlorophenol	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
2,4,5-Trichlorophenol	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
2-Chloronaphthalene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
Nitroaniline	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
methylphthalate	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
2,6-Dinitrotoluene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
Acenaphthylene	BDL	ug/l	3510/8270	12	11/25	11/26	DM
3-Nitroaniline	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Acenaphthene	BDL	ug/l	3510/8270	8.3	11/25	11/26	DM
Dibenzofuran	BDL	ug/l	3510/8270	8.6	11/25	11/26	DM
2,4-Dinitrotoluene	BDL	ug/l	3510/8270	11	11/25	11/26	DM
2,4-Dinitrophenol	BDL	ug/l	3510/8270	11	11/25	11/26	DM
4-Nitrophenol	BDL	ug/l	3510/8270	6.4	11/25	11/26	DM
Diethylphthalate	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
Fluorene	BDL	ug/l	3510/8270	10	11/25	11/26	DM
4-Chlorophenyl-phenylether	BDL	ug/l	3510/8270	9.0	11/25	11/26	DM
4-Nitroaniline	BDL	ug/l	3510/8270	13	11/25	11/26	DM
4,6-Dinitro-2-Methylphenol	BDL	ug/l	3510/8270	13	11/25	11/26	DM

Client #: CHI-96-031104
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Date: 01/07/97
Log #: L13009-9

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW3
Date Sampled: 11/21/96
Time Sampled: 12:30
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Semivolatile Organic Compounds (continued)

N-Nitrosodiphenylamine	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
obenzene	BDL	ug/l	3510/8270	8.9	11/25	11/26	DM
Bromophenyl-phenylether	BDL	ug/l	3510/8270	6.9	11/25	11/26	DM
alpha-BHC	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
Hexachlorobenzene	BDL	ug/l	3510/8270	6.8	11/25	11/26	DM
Pentachlorophenol	BDL	ug/l	3510/8270	9.2	11/25	11/26	DM
gamma-BHC	BDL	ug/l	3510/8270	10	11/25	11/26	DM
beta-BHC	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
Phenanthrene	BDL	ug/l	3510/8270	9.6	11/25	11/26	DM
Anthracene	BDL	ug/l	3510/8270	14	11/25	11/26	DM
delta-BHC	BDL	ug/l	3510/8270	11	11/25	11/26	DM
Carbazole	BDL	ug/l	3510/8270	3.5	11/25	11/26	DM
Heptachlor	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Di-n-butylphthalate	BDL	ug/l	3510/8270	12	11/25	11/26	DM
Aldrin	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Fluoranthene	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Heptachlor Epoxide	BDL	ug/l	3510/8270	5.6	11/25	11/26	DM
Benzidine	BDL	ug/l	3510/8270	17	11/25	11/26	DM
Pyrene	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
dosulfan I	BDL	ug/l	3510/8270	9.4	11/25	11/26	DM
4'-DDE	BDL	ug/l	3510/8270	6.4	11/25	11/26	DM
Dieeldrin	BDL	ug/l	3510/8270	13	11/25	11/26	DM
4,4'-DDD	BDL	ug/l	3510/8270	7.2	11/25	11/26	DM
Endosulfan II	BDL	ug/l	3510/8270	8.7	11/25	11/26	DM
Endrin Aldehyde	BDL	ug/l	3510/8270	12	11/25	11/26	DM
Endrin	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Butylbenzylphthalate	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Endosulfan Sulfate	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
4,4'-DDT	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
Endrin Ketone	BDL	ug/l	3510/8270	12	11/25	11/26	DM
Benzo(a)anthracene	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
3,3'-Dichlorobenzidizine	BDL	ug/l	3510/8270	7.4	11/25	11/26	DM
Chrysene	BDL	ug/l	3510/8270	12	11/25	11/26	DM
1,2-Diphenylhydrazine	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM

Client #: CHI-96-031104
 Address: Ecology and Environment
 33 N. Dearborn St., Suite 900
 Chicago, IL 60602
 Attn: Dave Hendren

Page: Page 5 of 6
 Date: 01/07/97
 Log #: L13009-9

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW3
 Date Sampled: 11/21/96
 Time Sampled: 12:30
 Date Received: 11/23/96
 Collected By: Client

Parameter	Results	Units	Method	Reportable			
				Detect Limit	Extr. Date	Analysis Date	Analys

Semivolatile Organic Compounds (continued)

Bis(2-Ethylhexyl)Phthalate	BDL	ug/l	3510/8270	13	11/25	11/26	DM
-n-octyl phthalate	BDL	ug/l	3510/8270	15	11/25	11/26	DM
Anzo(b)fluoranthene	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
Benzo(k)fluoranthene	BDL	ug/l	3510/8270	9.2	11/25	11/26	DM
Benzo(a)pyrene	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	3.6	11/25	11/26	DM
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	7.6	11/25	11/26	DM
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	6.8	11/25	11/26	DM
PCB 1016	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1221	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1232	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1242	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1254	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1260	BDL	ug/l	3510/8270	100	11/25	11/26	DM
Chlordane	BDL	ug/l	3510/8270	100	11/25	11/26	DM
Toxaphene	BDL	ug/l	3510/8270	100	11/25	11/26	DM
Dilution Factor	1.0		3510/8270		11/25	11/26	DM
Surrogate Recoveries:							
2-Fluorophenol	100	%	3510/8270	21-100	11/25	11/26	DM
enol-d5	109	%	3510/8270	10-94	11/25	11/26	DM
crobenzene-d5	117	%	3510/8270	35-114	11/25	11/26	DM
2-Fluorobiphenyl	93.0	%	3510/8270	43-111	11/25	11/26	DM
2,4,6-Tribromophenol	98.0	%	3510/8270	10-123	11/25	11/26	DM
Terphenyl-d14	107	%	3510/8270	33-141	11/25	11/26	DM

Client #: CHI-96-031104
Address: Ecology and Environment
33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

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Date: 01/07/97
Log #: L13009-9

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW3
Date Sampled: 11/21/96
Time Sampled: 12:30
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			Analyst
				Detect Limit	Extr. Date	Analysis Date	

Semivolatile Organic Compounds (continued)

* = Below Detection Limits

* Compounds are Screened Only, with an estimated detection limit.

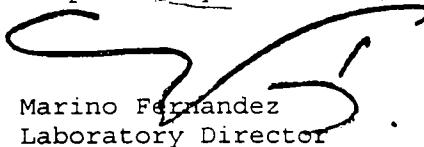
All analyses were performed using EPA, ASTM, USGS, or Standard Methods.

All analyses were performed within EPA holding times unless otherwise noted.

Analyses are reported in dry weight unless otherwise indicated by units..

QAP# 900376G	HRS# E86240,86356
SUB HRS# 86122,86139,886048	ADEM ID# 40850
SC CERT# 96031	NC CERT# 444
TN CERT# 02985	CT CERT# PH-0122
ELPAT# 13801	CA CERT# I-1068
VA CERT# 00395	AZ CERT# AZ0529
MA CERT# M-FL449	USACE CERT
ND CERT# R-148	

Respectfully submitted,



Marino Fernandez
Laboratory Director

L13009-9

Client #: CHI-96-031104
Address: Ecology and Environment

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 1 of 6
Date: 01/07/97
Log #: L13009-10

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW4
Date Sampled: 11/21/96
Time Sampled: 13:25
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			
				Detect Limit	Extr. Date	Analysis Date	Analys

Metals

Arsenic	BDL	mg/l	3010/6010A	0.010	11/23	11/24	PVP
Barium	0.43	mg/l	3010/6010A	0.010	11/23	11/26	PVP
Cadmium	BDL	mg/l	3010/6010A	0.0050	11/23	11/25	PVP
Chromium	0.011	mg/l	3010/6010A	0.0050	11/23	11/24	PVP
Lead	1.5	mg/l	3010/6010A	0.0050	11/23	11/25	PVP
Mercury	BDL	mg/l	245.2	0.0010	11/23	11/25	PVP
Selenium	BDL	mg/l	3010/6010A	0.010	11/23	11/24	PVP
Silver	BDL	mg/l	3010/6010A	0.010	11/23	11/24	PVP

Polychlorine Pesticides and PCB's

ha-BHC	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG
gamma-BHC	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG
Heptachlor	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG
Aldrin	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG
beta-BHC	BDL	ug/l	3510/8080	0.050	11/27	12/09	AG
delta-BHC	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG
Heptachlor Epoxide	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG
Endosulfan I	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG
4,4'-DDE	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG
Dieledrin	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG
Endrin	BDL	ug/l	3510/8080	0.050	11/27	12/09	AG
4,4'-DDD	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG
Endosulfan II	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG

Client #: CHI-96-031104
Address: Ecology and Environment

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Date: 01/07/97
Log #: L13009-10

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Sample Description:

Old LaSalle Dump, TDD#505-9604-612
KJ5100

Label: GW4
Date Sampled: 11/21/96
Time Sampled: 13:25
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable	Detect Limit	Extr. Date	Analysis Date	Analysis
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Organochlorine Pesticides and PCB's (continued)

4,4'-DDT	BDL	ug/l	3510/8080	0.050	11/27	12/09	AG
Irin Aldehyde	BDL	ug/l	3510/8080	0.050	11/27	12/09	AG
Phoxychlor	BDL	ug/l	3510/8080	0.050	11/27	12/09	AG
Endosulfan Sulfate	BDL	ug/l	3510/8080	0.010	11/27	12/09	AG
Endrin Ketone	BDL	ug/l	3510/8080	0.020	11/27	12/09	AG
Toxaphene	BDL	ug/l	3510/8080	0.10	11/27	12/09	AG
Chlordane	BDL	ug/l	3510/8080	0.10	11/27	12/09	AG
PCB 1016	7.4	ug/l	3510/8080	0.50	11/27	12/09	AG
PCB 1221	BDL	ug/l	3510/8080	0.50	11/27	12/09	AG
PCB 1232	BDL	ug/l	3510/8080	0.50	11/27	12/09	AG
PCB 1242	BDL	ug/l	3510/8080	0.50	11/27	12/09	AG
PCB 1248	BDL	ug/l	3510/8080	0.50	11/27	12/09	AG
PCB 1254	BDL	ug/l	3510/8080	0.50	11/27	12/09	AG
PCB 1260	BDL	ug/l	3510/8080	0.50	11/27	12/09	AG
Total PCB's	BDL	ug/l	3510/8080	0.50	11/27	12/09	AG
Dilution Factor	1.0		3510/8080		11/27	12/09	AG

Surrogate Recoveries:

4,4'-Dichlorobiphenyl	105	%	3510/8080	49-146	11/27	12/09	AG
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Nonvolatile Organic Compounds

Nitrosodimethylamine	BDL	ug/l	3510/8270	4.0	11/25	11/26	DM
Aniline	BDL	ug/l	3510/8270	15	11/25	11/26	DM
Phenol	BDL	ug/l	3510/8270	5.2	11/25	11/26	DM
Bis(2-Chloroethyl) Ether	BDL	ug/l	3510/8270	15	11/25	11/26	DM
2-Chlorophenol	BDL	ug/l	3510/8270	7.5	11/25	11/26	DM
1,3-Dichlorobenzene	BDL	ug/l	3510/8270	6.0	11/25	11/26	DM
1,4-Dichlorobenzene	BDL	ug/l	3510/8270	6.7	11/25	11/26	DM
Benzyl alcohol	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
1,2-Dichlorobenzene	BDL	ug/l	3510/8270	6.5	11/25	11/26	DM
2-Methylphenol	BDL	ug/l	3510/8270	4.8	11/25	11/26	DM
Bis(2-Chloroisopropyl) Ether	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
N-Nitrosodi-n-propylamine	BDL	ug/l	3510/8270	8.1	11/25	11/26	DM
4-Methylphenol	BDL	ug/l	3510/8270	4.6	11/25	11/26	DM
Hexachloroethane	BDL	ug/l	3510/8270	6.4	11/25	11/26	DM

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Date: 01/07/97
Log #: L13009-10

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW4
Date Sampled: 11/21/96
Time Sampled: 13:25
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			
				Detect Limit	Extr. Date	Analysis Date	Analys

Semivolatile Organic Compounds (continued)

Nitrobenzene	BDL	ug/l	3510/8270	6.1	11/25	11/26	DM
Phorone	BDL	ug/l	3510/8270	6.1	11/25	11/26	DM
Nitrophenol	BDL	ug/l	3510/8270	7.2	11/25	11/26	DM
2,4-Dimethyl Phenol	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
Bis(2-Chloroethoxy) Methane	BDL	ug/l	3510/8270	6.9	11/25	11/26	DM
Benzoic Acid	BDL	ug/l	3510/8270	4.0	11/25	11/26	DM
N-Nitrosodiethylamine	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
2,4-Dichlorophenol	BDL	ug/l	3510/8270	7.6	11/25	11/26	DM
1,2,4-Trichlorobenzene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
Naphthalene	BDL	ug/l	3510/8270	6.9	11/25	11/26	DM
4-Chloroaniline	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Hexachlorobutadiene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
4-Chloro-3-Methylphenol	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
1-Methylnaphthalene	BDL	ug/l	3510/8270	6.6	11/25	11/26	DM
2-Methylnaphthalene	BDL	ug/l	3510/8270	6.4	11/25	11/26	DM
Hexachlorocyclopentadiene	BDL	ug/l	3510/8270	4.0	11/25	11/26	DM
2,4,6-Trichlorophenol	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
2,4,5-Trichlorophenol	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
2-Chloronaphthalene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
Nitroaniline	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
Ethylphthalate	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
2,6-Dinitrotoluene	BDL	ug/l	3510/8270	5.4	11/25	11/26	DM
Acenaphthylene	BDL	ug/l	3510/8270	12	11/25	11/26	DM
3-Nitroaniline	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Acenaphthene	BDL	ug/l	3510/8270	8.3	11/25	11/26	DM
Dibenzofuran	BDL	ug/l	3510/8270	8.6	11/25	11/26	DM
2,4-Dinitrotoluene	BDL	ug/l	3510/8270	11	11/25	11/26	DM
2,4-Dinitrophenol	BDL	ug/l	3510/8270	11	11/25	11/26	DM
4-Nitrophenol	BDL	ug/l	3510/8270	6.4	11/25	11/26	DM
Diethylphthalate	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
Fluorene	BDL	ug/l	3510/8270	10	11/25	11/26	DM
4-Chlorophenyl-phenylether	BDL	ug/l	3510/8270	9.0	11/25	11/26	DM
4-Nitroaniline	BDL	ug/l	3510/8270	13	11/25	11/26	DM
4,6-Dinitro-2-Methylphenol	BDL	ug/l	3510/8270	13	11/25	11/26	DM

Client #: CHI-96-031104
Address: Ecology and Environment

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Date: 01/07/97
Log #: L13009-10

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW4
Date Sampled: 11/21/96
Time Sampled: 13:25
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Semivolatile Organic Compounds (continued)

N-Nitrosodiphenylamine	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
obenzene	BDL	ug/l	3510/8270	8.9	11/25	11/26	DM
Bromophenyl-phenylether	BDL	ug/l	3510/8270	6.9	11/25	11/26	DM
alpha-BHC	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
Hexachlorobenzene	BDL	ug/l	3510/8270	6.8	11/25	11/26	DM
Pentachlorophenol	BDL	ug/l	3510/8270	9.2	11/25	11/26	DM
gamma-BHC	BDL	ug/l	3510/8270	10	11/25	11/26	DM
beta-BHC	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
Phenanthrene	BDL	ug/l	3510/8270	9.6	11/25	11/26	DM
Anthracene	BDL	ug/l	3510/8270	14	11/25	11/26	DM
delta-BHC	BDL	ug/l	3510/8270	11	11/25	11/26	DM
Carbazole	BDL	ug/l	3510/8270	3.5	11/25	11/26	DM
Heptachlor	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Di-n-butylphthalate	BDL	ug/l	3510/8270	12	11/25	11/26	DM
Aldrin	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Fluoranthene	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Heptachlor Epoxide	BDL	ug/l	3510/8270	5.6	11/25	11/26	DM
Benzidine	BDL	ug/l	3510/8270	17	11/25	11/26	DM
Pyrene	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
dosulfan I	BDL	ug/l	3510/8270	9.4	11/25	11/26	DM
1'-DDE	BDL	ug/l	3510/8270	6.4	11/25	11/26	DM
Dieeldrin	BDL	ug/l	3510/8270	11	11/25	11/26	DM
4,4'-DDD	BDL	ug/l	3510/8270	7.2	11/25	11/26	DM
Endosulfan II	BDL	ug/l	3510/8270	8.7	11/25	11/26	DM
Endrin Aldehyde	BDL	ug/l	3510/8270	12	11/25	11/26	DM
Endrin	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Butylbenzylphthalate	BDL	ug/l	3510/8270	10	11/25	11/26	DM
Endosulfan Sulfate	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM
4,4'-DDT	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
Endrin Ketone	BDL	ug/l	3510/8270	12	11/25	11/26	DM
Benzo(a)anthracene	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
3,3'-Dichlorobenzidine	BDL	ug/l	3510/8270	7.4	11/25	11/26	DM
Chrysene	BDL	ug/l	3510/8270	12	11/25	11/26	DM
1,2-Diphenylhydrazine	BDL	ug/l	3510/8270	8.8	11/25	11/26	DM

Client #: CHI-96-031104
Address: Ecology and Environment

33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 5 of 6
Date: 01/07/97
Log #: L13009-10

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW4
Date Sampled: 11/21/96
Time Sampled: 13:25
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable		
				Detect Limit	Extr. Date	Analysis Date

Semivolatile Organic Compounds (continued)

Bis(2-Ethylhexyl) Phthalate	BDL	ug/l	3510/8270	13	11/25	11/26	DM
-n-octyl phthalate	BDL	ug/l	3510/8270	15	11/25	11/26	DM
azo(b) fluoranthene	BDL	ug/l	3510/8270	8.4	11/25	11/26	DM
Benzo(k) fluoranthene	BDL	ug/l	3510/8270	9.2	11/25	11/26	DM
Benzo(a)pyrene	BDL	ug/l	3510/8270	8.0	11/25	11/26	DM
Indeno(1,2,3-c,d)pyrene	BDL	ug/l	3510/8270	3.6	11/25	11/26	DM
Dibenzo(a,h)Anthracene	BDL	ug/l	3510/8270	7.6	11/25	11/26	DM
Benzo(g,h,i)perylene	BDL	ug/l	3510/8270	6.8	11/25	11/26	DM
PCB 1016	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1221	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1232	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1242	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1254	BDL	ug/l	3510/8270	100	11/25	11/26	DM
PCB 1260	BDL	ug/l	3510/8270	100	11/25	11/26	DM
Chlordane	BDL	ug/l	3510/8270	100	11/25	11/26	DM
Toxaphene	BDL	ug/l	3510/8270	100	11/25	11/26	DM
Dilution Factor	1.3		3510/8270		11/25	11/26	DM
Surrogate Recoveries:							
2-Fluorophenol	82.0	%	3510/8270	21-100	11/25	11/26	DM
T-enol-d5	97.0	%	3510/8270	10-94	11/25	11/26	DM
o-robenzene-d5	117	%	3510/8270	35-114	11/25	11/26	DM
2-Fluorobiphenyl	93.0	%	3510/8270	43-111	11/25	11/26	DM
2,4,6-Tribromophenol	88.0	%	3510/8270	10-123	11/25	11/26	DM
Terphenyl-d14	102	%	3510/8270	33-141	11/25	11/26	DM

Client #: CHI-96-031104
Address: Ecology and Environment
33 N. Dearborn St., Suite 900
Chicago, IL 60602
Attn: Dave Hendren

Page: Page 6 of 6
Date: 01/07/97
Log #: L13009-10

Sample Description:

Old LaSalle Dump, TDD#505-9604-812
KJ5100

Label: GW4
Date Sampled: 11/21/96
Time Sampled: 13:25
Date Received: 11/23/96
Collected By: Client

Parameter	Results	Units	Method	Reportable			Analysis
				Detect Limit	Extr. Date	Date	

Semivolatile Organic Compounds (continued)

L = Below Detection Limits

* Compounds are Screened Only, with an estimated detection limit.

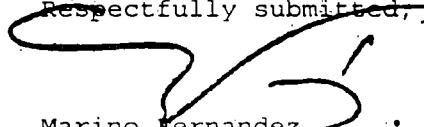
All analyses were performed using EPA, ASTM, USGS, or Standard Methods.

All analyses were performed within EPA holding times unless otherwise noted.

Analyses are reported in dry weight unless otherwise indicated by units.

QAP# 900376G	HRS# E36240;26356
SUB HRS# 86122, 86109, E86048	ADEM ID# 40850
SC CERT# 95031	NY CERT# 444
TN CERT# 02985	UT CERT# EPH-0122
ELPAT# 13801	IA CERT# I-1068
VA CERT# 00395	AZ CERT# AZ0529
MA CERT# M-FL449	USACE CERT
ND CERT# R-148	

Respectfully submitted,


Marino Fernandez

Laboratory Director

L13009-10